

National Testing Agency

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B ARCH

Group Number : 1
Group Id : 40503674
Group Maximum Duration : 0
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Show Attended Group? : No
Edit Attended Group? : No
Break time : 0
Group Marks : 400
Is this Group for Examiner? : No

Mathematics

Section Id : 405036258
Section Number : 1
Section type : Online

Number of Questions to be attempted :	25
Section Marks :	100
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	405036539
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 4050367312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let a function, $f : \mathbb{R} \rightarrow \mathbb{R}$ be defined by

$$f(x) = 1 + x|x| \text{ and let } \operatorname{sgn}(x) = \begin{cases} 1, & \text{if } x \geq 0 \\ -1, & \text{if } x < 0 \end{cases}$$

Then :

Options :

40503626701. f is not invertible

40503626702. $f^{-1}(x) = \operatorname{sgn}(x-1)\sqrt{|x-1|}$

40503626703. $f^{-1}(x) = \sqrt{|x-1|}$

40503626704. $f^{-1}(x) = \operatorname{sgn}(x)\sqrt{|x-1|}$

Question Number : 1 Question Id : 4050367312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question

માના ફલન $f : \mathbf{R} \rightarrow \mathbf{R}$, $f(x) = 1 + x|x|$ દ્વારા

પરિભાષિત છે તથા માના $\text{sgn}(x) = \begin{cases} 1, & \text{યદિ } x \geq 0 \\ -1, & \text{યદિ } x < 0 \end{cases}$

હૈ, તો :

Options :

40503626701. f વ્યુત્ક્રમણીય નહીં છે

40503626702. $f^{-1}(x) = \text{sgn}(x-1)\sqrt{|x-1|}$

40503626703. $f^{-1}(x) = \sqrt{|x-1|}$

40503626704. $f^{-1}(x) = \text{sgn}(x)\sqrt{|x-1|}$

Question Number : 1 Question Id : 4050367312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ધારો કે વિધેય $f : \mathbf{R} \rightarrow \mathbf{R}$ એ $f(x) = 1 + x|x|$ મુજબ
વ્યાખ્યાયિત થયેલ છે અને ધારો કે

$$\text{sgn}(x) = \begin{cases} 1, & \text{જો } x \geq 0 \\ -1, & \text{જો } x < 0 \end{cases}, \text{ તો}$$

Options :

40503626701. f નાં પ્રતિવિધેયનું અસ્તિત્વ નથી

$$f^{-1}(x) = \text{sgn}(x-1)\sqrt{|x-1|}$$

40503626703. $f^{-1}(x) = \sqrt{|x-1|}$

40503626704. $f^{-1}(x) = \text{sgn}(x)\sqrt{|x-1|}$

Question Number : 2 Question Id : 4050367313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Let α be a common root of the equations, $x^2 - x - 12 = 0$ and $\lambda x^2 + 10x + 3 = 0$ (where λ is an integer). If β is the other root of the second equation, then the ordered pair (λ, β) is equal to :

Options :

40503626705. $\left(-3, \frac{1}{3}\right)$

40503626706. $\left(-3, -\frac{1}{3}\right)$

40503626707. $\left(3, \frac{1}{3}\right)$

40503626708. $\left(3, -\frac{1}{3}\right)$

Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

માના સમીકરણો $x^2 - x - 12 = 0$ તથા $\lambda x^2 + 10x + 3 = 0$ (જ્યાં λ એક પૂર્ણાંક છે) નો એક ઉભયનિષ્ઠ મૂલ α છે. જો બીજા સમીકરણ નો બીજા મૂલ β છે, તો ક્રમિત યુગ્મ (λ, β) બરાબર છે :

Options :

40503626705. $\left(-3, \frac{1}{3}\right)$

40503626706. $\left(-3, -\frac{1}{3}\right)$

40503626707. $\left(3, \frac{1}{3}\right)$

40503626708. $\left(3, -\frac{1}{3}\right)$

Question Number : 2 Question Id : 4050367313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question

Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ધારો કે α એ સમીકરણો $x^2 - x - 12 = 0$ અને $\lambda x^2 + 10x + 3 = 0$ નું સામાન્ય બીજ છે (જ્યાં λ પૂર્ણાંક સંખ્યા છે). જો બીજા સમીકરણનું અન્ય બીજ β હોય, તો ક્રમયુક્ત જોડ $(\lambda, \beta) =$

40503626705. $\left(-3, \frac{1}{3}\right)$

40503626706. $\left(-3, -\frac{1}{3}\right)$

40503626707. $\left(3, \frac{1}{3}\right)$

40503626708. $\left(3, -\frac{1}{3}\right)$

Question Number : 3 Question Id : 4050367314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If $z = -1 + i\sqrt{2}$, then which one of the following is not true ?

Options :

40503626709. $\operatorname{Re}(z^4) + \operatorname{Re}(z^3) = -2$

40503626710. $\operatorname{Im}(z^4) + \operatorname{Im}(z^3) = 5\sqrt{2}$

40503626711. $\operatorname{Im}(z^4) - \operatorname{Re}(z^3) = 4\sqrt{2} - 5$

40503626712. $\operatorname{Re}(z^4) - \operatorname{Im}(z^3) = \sqrt{2} - 7$

Question Number : 3 Question Id : 4050367314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

यदि $z = -1 + i\sqrt{2}$ है, तो निम्न में से कौन सा सत्य नहीं है?

Options :

40503626709. $\operatorname{Re}(z^4) + \operatorname{Re}(z^3) = -2$

40503626710. $\operatorname{Im}(z^4) + \operatorname{Im}(z^3) = 5\sqrt{2}$

40503626711. $\operatorname{Im}(z^4) - \operatorname{Re}(z^3) = 4\sqrt{2} - 5$

40503626712. $\operatorname{Re}(z^4) - \operatorname{Im}(z^3) = \sqrt{2} - 7$

Question Number : 3 Question Id : 4050367314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

જો $z = -1 + i\sqrt{2}$ હોય, તો નીચેનામાંથી કયું સાચું નથી?

Options :

40503626709. $\operatorname{Re}(z^4) + \operatorname{Re}(z^3) = -2$

40503626710. $\operatorname{Im}(z^4) + \operatorname{Im}(z^3) = 5\sqrt{2}$

40503626712. $\operatorname{Re}(z^4) - \operatorname{Im}(z^3) = \sqrt{2} - 7$

Question Number : 4 Question Id : 4050367315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For $\theta \in (0, \pi/2)$, $\theta \in (\pi, 2\pi)$ and $\beta \in \mathbb{R}$, the value of the determinant

$$\begin{vmatrix} \cos 2\alpha & \cos(\alpha + \theta) & -\sin(\alpha + \theta) \\ \sin \alpha & \sin \theta & \cos \theta \\ \beta \cos \alpha & -\cos \theta & \sin \theta \end{vmatrix} :$$

Options :

40503626713. is independent of α .

40503626714. is independent of β .

40503626715. is independent of θ .

40503626716. depends on all α , β and θ .

Question Number : 4 Question Id : 4050367315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

$\theta \in (0, \pi/2)$, $\theta \in (\pi, 2\pi)$ तथा $\beta \in \mathbb{R}$ के लिए सारणिक

$$\begin{vmatrix} \cos 2\alpha & \cos(\alpha + \theta) & -\sin(\alpha + \theta) \\ \sin \alpha & \sin \theta & \cos \theta \\ \beta \cos \alpha & -\cos \theta & \sin \theta \end{vmatrix} \text{ का मान :}$$

Options :

40503626713. α से स्वतन्त्र है।

40503626714. β से स्वतन्त्र है।

40503626715. θ से स्वतन्त्र है।

40503626716. α , β तथा θ सब पर निर्भर करता है।

Question Number : 4 Question Id : 4050367315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

$\alpha \in \left(0, \frac{\pi}{2}\right)$, $\theta \in (\pi, 2\pi)$ અને $\beta \in \mathbb{R}$ માટે, નિશ્ચાયક

$$\begin{vmatrix} \cos 2\alpha & \cos(\alpha + \theta) & -\sin(\alpha + \theta) \\ \sin \alpha & \sin \theta & \cos \theta \\ \beta \cos \alpha & -\cos \theta & \sin \theta \end{vmatrix} \text{ ની કિંમત :}$$

Options :

40503626713. α થી સ્વતંત્ર છે.

..... β થી સ્વતંત્ર છે.

40503626715. θ થી સ્વતંત્ર છે.

40503626716. α, β અને θ બધાજ પર આધારિત છે.

Question Number : 5 Question Id : 4050367316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Let $A = \begin{pmatrix} \alpha & 1 & 2 \\ 1 & 2 & 3 \\ 3 & 1 & 1 \end{pmatrix}$, $\alpha \in \mathbb{R}$ and $B = [b_{ij}]_{3 \times 3}$

such that $AB = rI$, $r \neq 0$ in $\mathbb{R}$. If

$b_{32} = -\frac{3}{2}r$ and $|\text{adj}B| = r^5$, then $|\text{adj}(AB)|$

equals :

Options :

40503626717. 4^{12}

40503626718. 2^{12}

40503626719. 2^6

40503626720. 4^8

Question Number : 5 Question Id : 4050367316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

माना $A = \begin{pmatrix} \alpha & 1 & 2 \\ 1 & 2 & 3 \\ 3 & 1 & 1 \end{pmatrix}, \alpha \in \mathbb{R}$ तथा $B = [b_{ij}]_{3 \times 3}$ इस

प्रकार हैं कि $AB = rI, r \neq 0 (r \in \mathbb{R})$ । यदि

$b_{32} = -\frac{3}{2}r$ तथा $|\text{adj}B| = r^5$ हैं, तो $|\text{adj}(AB)|$

बराबर है :

Options :

40503626717. 4^{12}

40503626718. 2^{12}

40503626719. 2^6

40503626720. 4^8

Question Number : 5 Question Id : 4050367316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ધારોકે $A = \begin{pmatrix} \alpha & 1 & 2 \\ 1 & 2 & 3 \\ 3 & 1 & 1 \end{pmatrix}, \alpha \in \mathbb{R}$ અને $B = [b_{ij}]_{3 \times 3}$,

જ્યાં $AB = rI, r \neq 0 (r \in \mathbb{R})$. જો $b_{32} = -\frac{3}{2}r$

અને $|\text{adj}B| = r^5$ હોય, તો $|\text{adj}(AB)| =$

40503626717. 4^{12}

40503626718. 2^{12}

40503626719. 2^6

40503626720. 4^8

Question Number : 6 Question Id : 4050367317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Let a_1, a_2, a_3, a_4 and a_5 be in A.P. with the common difference greater than 2. If

$\sum_{i=1}^5 a_i = 30$ and $a_1 \cdot a_2 \cdot a_3 \cdot a_4 \cdot a_5 = 3840$, then

$a_1 \cdot a_5$ is equal to :

Options :

40503626721. 82

40503626722. -128

40503626723. 128

40503626724. -82

Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

માના a_1, a_2, a_3, a_4 તથા a_5 એક સમાન્તર શ્રેઢી મેં હેં

જિસકા સાર્વઅન્તર 2 સે અધિક હેં। યદિ $\sum_{i=1}^5 a_i = 30$

તથા $a_1 \cdot a_2 \cdot a_3 \cdot a_4 \cdot a_5 = 3840$ હેં, તો $a_1 \cdot a_5$ બરાબર હેં :

Options :

40503626721. 82

40503626722. -128

40503626723. 128

40503626724. -82

Question Number : 6 Question Id : 4050367317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question

Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ધારોકે a_1, a_2, a_3, a_4 અને a_5 સમાંતર શ્રેણી (A.P.) માં છે, જ્યાં સામાન્ય તફાવત 2 કરતા મોટો છે. જો

$\sum_{i=1}^5 a_i = 30$ અને $a_1 \cdot a_2 \cdot a_3 \cdot a_4 \cdot a_5 = 3840$ હોય, તો

$a_1 \cdot a_5 =$

Options :

40503626721. 82

40503626722. -128

40503626723. 128

40503626724. -82

Question Number : 7 Question Id : 4050367318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let the functions f and g be defined as

$f(x) = 2\cos|x-2| + 3|x|\sin|x|$ and $g(x) = x^5 + x$.

If S be the set of points where the function $(f \circ g)(x)$ is not differentiable, then S is equal to :

Options :

40503626725. $\{1\}$

40503626726. $\{0\}$

40503626727. $\{0, 1\}$

40503626728. ϕ (an empty set)

Question Number : 7 Question Id : 4050367318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

માના ફલન f તથા g નિમ્ન પ્રકાર સે પરિભાષિત હૈં :
 $f(x) = 2\cos|x-2| + 3|x| \sin|x|$ તથા $g(x) = x^5 + x$.
યદિ ઁન બિન્દુઁ, જહૈં $(f \circ g)(x)$ અવકલનીય નહૈં હૈ,
કા સમુચ્ચય S હૈ, તો S બરાબર હૈ :

Options :

40503626725. {1}

40503626726. {0}

40503626727. {0, 1}

40503626728. ϕ (ઁક રિક્ત સમુચ્ચય)

Question Number : 7 Question Id : 4050367318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

ધારોકે વિધેયો f ઁને g ઁ

$$f(x) = 2\cos|x-2| + 3|x| \sin|x| \text{ ઁને } g(x) = x^5 + x$$

મુજબ વ્યાખ્યાયિત કરવામાં આવ્યા ઁ. જો S ઁવા

બિંદુઁનો ગણ હોય કે જ્યાં વિધેય $(f \circ g)(x)$ વિકલનીય

ન હોય, તો $S =$ _____.

Options :

40503626725. {1}

40503626726. {0}

40503626728. ϕ (ખાલી ગણ)

Question Number : 8 Question Id : 4050367319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let f be a twice differentiable function on $\mathbb{R}$ such that $f(0) = 4$ and the function,

$$g(x) = \frac{1}{2}f^2(x) + 3x^3 - 5 \text{ is monotonically}$$

increasing in $\mathbb{R}$. Then $f(1)$ cannot be :

Options :

40503626729. $2\sqrt{3}$

40503626730. $3\sqrt{2}$

40503626731. 4

40503626732. $2\sqrt{2}$

Question Number : 8 Question Id : 4050367319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

માના $\mathbb{R}$ પર એક ફલન f દો બાર અવકલનીય છે, જિસકે
લિએ $f(0) = 4$ છે તથા ફલન

$$g(x) = \frac{1}{2}f^2(x) + 3x^3 - 5, \mathbb{R} \text{ મેં નિરન્ટર વર્ધમાન છે.}$$

તો $f(1)$ નહીં હો સકતા :

Options :

40503626729. $2\sqrt{3}$

40503626730. $3\sqrt{2}$

40503626731. 4

40503626732. $2\sqrt{2}$

Question Number : 8 Question Id : 4050367319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ધારોકે f એ $\mathbb{R}$ પર દ્વિ-વિકલનીય વિધેય છે, જ્યાં

$$f(0) = 4 \text{ અને વિધેય } g(x) = \frac{1}{2}f^2(x) + 3x^3 - 5$$

એ $\mathbb{R}$ માં એકસૂત્રી વધતું વિધેય છે. તો $f(1)$
_____ ન હોઈ શકે.

Options :

40503626729. $2\sqrt{3}$

$2\sqrt{2}$

40503626731. 4

40503626732. $2\sqrt{2}$

Question Number : 9 Question Id : 4050367320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let $f(x) = (2x^2 - 9x + 11) \cdot e^x$, $-\infty < x < \infty$.

Then f has :

Options :

40503626733. a local maxima at $x = \frac{1}{2}$ and a local minima at $x = 2$.

40503626734. a local minima at $x = \frac{1}{2}$ and a local maxima at $x = 2$.

40503626735. neither a local maxima nor a local minima at $x = \frac{1}{2}$.

40503626736. neither a local maxima nor a local minima at $x = 2$.

Correct Marks : 4 Wrong Marks : 1

माना $f(x) = (2x^2 - 9x + 11) \cdot e^x$, $-\infty < x < \infty$ है,
तो f का :

Options :

$x = \frac{1}{2}$ एक स्थानीय उच्चिष्ठ है तथा $x = 2$

40503626733. एक स्थानीय निम्ननिष्ठ है।

$x = \frac{1}{2}$ एक स्थानीय निम्ननिष्ठ है तथा $x = 2$

40503626734. एक स्थानीय उच्चिष्ठ है।

$x = \frac{1}{2}$ न तो स्थानीय उच्चिष्ठ है न ही स्थानीय

40503626735. निम्ननिष्ठ है।

$x = 2$ न तो स्थानीय उच्चिष्ठ है न ही स्थानीय
निम्ननिष्ठ है।

40503626736.

Question Number : 9 Question Id : 4050367320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

धारोके $f(x) = (2x^2 - 9x + 11) \cdot e^x$, $-\infty < x < \infty$
तो f ने :

Options :

$x = \frac{1}{2}$ આગળ સ્થાનીય મહત્તમ અને $x=2$

આગળ સ્થાનીય ન્યુનતમ છે.

40503626733.

$x = \frac{1}{2}$ આગળ સ્થાનીય ન્યુનતમ અને $x=2$

આગળ સ્થાનીય મહત્તમ છે.

40503626734.

$x = \frac{1}{2}$ આગળ સ્થાનીય મહત્તમ પણ નથી કે

સ્થાનીય ન્યુનતમ પણ નથી.

40503626735.

$x=2$ આગળ સ્થાનીય મહત્તમ પણ નથી કે
સ્થાનીય ન્યુનતમ પણ નથી.

40503626736.

Question Number : 10 Question Id : 4050367321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If for $x > 0$,

$$\int \frac{e^{\sqrt{x}} \sin\left(\frac{\pi}{4} + \sqrt{x}\right)}{\sqrt{x}} dx = e^{\sqrt{x}} \cdot f(x) + C,$$

where C is a constant of integration, then

$f(x)$ is equal to :

Options :

40503626738. $\frac{2\sqrt{2}}{3} \sin\sqrt{x}$

40503626739. $\sqrt{2} \sin\sqrt{x}$

40503626740. $\sqrt{2} \cos\sqrt{x}$

Question Number : 10 Question Id : 4050367321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

यदि $x > 0$ के लिए

$$\int \frac{e^{\sqrt{x}} \sin\left(\frac{\pi}{4} + \sqrt{x}\right)}{\sqrt{x}} dx = e^{\sqrt{x}} \cdot f(x) + C,$$

जहाँ C एक समाकलन अचर है, तो $f(x)$ बराबर है :

Options :

40503626737. $\frac{3}{\sqrt{2}} \cos\sqrt{x}$

40503626738. $\frac{2\sqrt{2}}{3} \sin\sqrt{x}$

40503626739. $\sqrt{2} \sin\sqrt{x}$

40503626740. $\sqrt{2} \cos\sqrt{x}$

Question Number : 10 Question Id : 4050367321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

જો $x > 0$ માટે,

$$\int \frac{e^{\sqrt{x}} \sin\left(\frac{\pi}{4} + \sqrt{x}\right)}{\sqrt{x}} dx = e^{\sqrt{x}} \cdot f(x) + C,$$

જ્યાં C એ સંકલનનો અચળાંક હોય, તો
 $f(x) = \underline{\hspace{2cm}}$.

Options :

40503626737. $\frac{3}{\sqrt{2}} \cos\sqrt{x}$

40503626738. $\frac{2\sqrt{2}}{3} \sin\sqrt{x}$

40503626739. $\sqrt{2} \sin\sqrt{x}$

40503626740. $\sqrt{2} \cos\sqrt{x}$

Question Number : 11 Question Id : 4050367322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

If $y(x) = \int_{\pi^2/16}^{x^2} \frac{\sin x \sin \sqrt{\theta}}{1 + \cos^2 \sqrt{\theta}} d\theta$, then

$y'\left(\frac{\pi}{4}\right)$ is equal to :

Options :

40503626741. $\frac{\pi}{3\sqrt{2}}$

40503626742. $\frac{\pi}{12}$

40503626743. $\frac{\pi}{6}$

40503626744. $\frac{\pi}{3}$

Question Number : 11 Question Id : 4050367322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

यदि $y(x) = \int_{\pi^2/16}^{x^2} \frac{\sin x \sin \sqrt{\theta}}{1 + \cos^2 \sqrt{\theta}} d\theta$ है, तो

$y'\left(\frac{\pi}{4}\right)$ बराबर है :

Options :

$\frac{\pi}{3}$

40503626742. $\frac{\pi}{12}$

40503626743. $\frac{\pi}{6}$

40503626744. $\frac{\pi}{3}$

Question Number : 11 Question Id : 4050367322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Let $y(x) = \int_{\pi^2/16}^{x^2} \frac{\sin x \sin \sqrt{\theta}}{1 + \cos^2 \sqrt{\theta}} d\theta$ then,

$y'\left(\frac{\pi}{4}\right) = \underline{\hspace{2cm}}.$

Options :

40503626741. $\frac{\pi}{3\sqrt{2}}$

40503626742. $\frac{\pi}{12}$

40503626743. $\frac{\pi}{6}$

..... $\frac{\pi}{2}$

Question Number : 12 Question Id : 4050367323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The area (in sq. units) of the region

$\{(x, y) \in \mathbb{R}^2 : 2|x| + |y| \leq 2 \text{ and } x + y \geq 1\}$ is :

Options :

40503626745. $\frac{1}{3}$

40503626746. $\frac{2}{3}$

40503626747. $\frac{1}{2}$

40503626748. $\frac{4}{3}$

Question Number : 12 Question Id : 4050367323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

क्षेत्र $\{(x, y) \in \mathbb{R}^2 : 2|x| + |y| \leq 2 \text{ तथा } x + y \geq 1\}$ का

क्षेत्रफल (वर्ग इकाइयों में) है :

Options :

40503626745. $\frac{1}{3}$

40503626746. $\frac{2}{3}$

40503626747. $\frac{1}{2}$

40503626748. $\frac{4}{3}$

Question Number : 12 Question Id : 4050367323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

પ્રદેશ $\{(x, y) \in \mathbb{R}^2 : 2|x| + |y| \leq 2 \text{ અને } x + y \geq 1\}$ નું
ક્ષેત્રફળ (ચો. એકમમાં) _____ થાય.

Options :

40503626745. $\frac{1}{3}$

40503626746. $\frac{2}{3}$

40503626747. $\frac{1}{2}$

40503626748. $\frac{4}{3}$

Question Number : 13 Question Id : 4050367324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let ABC be a triangle such that the vertex A has coordinates $(-3, 1)$. If the equation of the median through B be $2x + y - 3 = 0$ and the equation of the bisector of angle C be $7x - 4y - 1 = 0$, then the equation of the line BC is :

Options :

40503626749. $15x + y = 50$

40503626750. $4x - y = 7$

40503626751. $18x - y = 49$

40503626752. $7x - 3y = 6$

Question Number : 13 Question Id : 4050367324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

माना ABC एक त्रिभुज है जिसके शीर्ष A के निर्देशांक $(-3, 1)$ हैं। यदि B से खींची गई माध्यिका का समीकरण $2x + y - 3 = 0$ है तथा कोण C के समद्विभाजक का समीकरण $7x - 4y - 1 = 0$ है, तो रेखा BC का समीकरण है :

Options :

40503626750. $4x - y = 7$

40503626751. $18x - y = 49$

40503626752. $7x - 3y = 6$

Question Number : 13 Question Id : 4050367324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

ધારોકે ત્રિકોણ ABC માં શિરોબિંદુ A ના ચામ $(-3, 1)$ છે. જો B માંથી પસાર થતી મધ્યગાનું સમીકરણ $2x + y - 3 = 0$ હોય અને ખૂણા C ના કોણ દ્વિભાજક નું સમીકરણ $7x - 4y - 1 = 0$ હોય, તો રેખા BC નું સમીકરણ _____ થાય.

Options :

40503626749. $15x + y = 50$

40503626750. $4x - y = 7$

40503626751. $18x - y = 49$

40503626752. $7x - 3y = 6$

Question Number : 14 Question Id : 4050367325 Question Type : MCQ Option Shuffling : Yes Display

If the ellipse centered at the origin has a focus at $(0, 3)$ and the corresponding directrix is $y=9$, then which one of the following is not true for this ellipse ?

Options :

40503626753. Length of its minor axis is $6\sqrt{2}$

40503626754. Length of its latus rectum is $4\sqrt{3}$

40503626755. Point $(\sqrt{6}, 2\sqrt{3})$ lies on it

40503626756. Point $(\sqrt{6}, -3\sqrt{2})$ lies on it

Question Number : 14 Question Id : 4050367325 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

यदि एक दीर्घवृत्त, जिसका केन्द्र मूल बिन्दु पर है, की एक नाभि $(0, 3)$ पर है तथा संगत नियता $y=9$ है, तो इस दीर्घवृत्त के लिए निम्न में से कौन सा एक सत्य नहीं है?

Options :

40503626753. इसके लघु अक्ष की लम्बाई $6\sqrt{2}$ है।

40503626754. इसकी नाभिलम्ब जीवा की लम्बाई $4\sqrt{3}$ है।

40503626755. બિન્દુ $(\sqrt{6}, 2\sqrt{3})$ ઇસ પર સ્થિત છે।

40503626756. બિન્દુ $(\sqrt{6}, -3\sqrt{2})$ ઇસ પર સ્થિત છે।

Question Number : 14 Question Id : 4050367325 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

જો ઉપવલયનું કેન્દ્ર ઉગમબિંદુ હોય, તેની નાભિ $(0, 3)$ પર હોય અને તેની અનુરૂપ નિયામિકા $y = 9$ હોય, તો આ ઉપવલય માટે નીચેનામાંથી કયું સાચું નથી?

Options :

40503626753. તેના ગોળા અક્ષની લંબાઈ $6\sqrt{2}$ છે.

40503626754. તેના નાભિલંબની લંબાઈ $4\sqrt{3}$ છે.

40503626755. બિંદુ $(\sqrt{6}, 2\sqrt{3})$ તેના પર આવેલું છે.

40503626756. બિંદુ $(\sqrt{6}, -3\sqrt{2})$ તેના પર આવેલું છે.

Question Number : 15 Question Id : 4050367326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

If a hyperbola has length of its transverse axis $=\sqrt{2}$ and it has the same foci as that of the ellipse, $4x^2 + 3y^2 = 24$, then this hyperbola also passes through the point whose coordinates are :

Options :

40503626757. $\left(2\sqrt{3}, \frac{3}{\sqrt{2}}\right)$

40503626758. $\left(2\sqrt{3}, \frac{3}{2}\right)$

40503626759. $\left(\frac{1}{\sqrt{6}}, 1\right)$

40503626760. $\left(\frac{1}{\sqrt{6}}, \frac{\sqrt{2}}{3}\right)$

Question Number : 15 Question Id : 4050367326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

यदि एक अतिपरवलय के अनुप्रस्थ अक्ष की लम्बाई $\sqrt{2}$ है तथा इसकी नाभियाँ वही हैं जो दीर्घवृत्त $4x^2 + 3y^2 = 24$ की हैं, तो यह अतिपरवलय उस बिन्दु से भी होकर जाता है, जिसके निर्देशांक हैं :

40503626757. $\left(2\sqrt{3}, \frac{3}{\sqrt{2}}\right)$

40503626758. $\left(2\sqrt{3}, \frac{3}{2}\right)$

40503626759. $\left(\frac{1}{\sqrt{6}}, 1\right)$

40503626760. $\left(\frac{1}{\sqrt{6}}, \frac{\sqrt{2}}{3}\right)$

Question Number : 15 Question Id : 4050367326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

જો એક અતિવલયનાં મુખ્ય અક્ષ ની લંબાઈ $= \sqrt{2}$ અને તેની નાભિઓ તથા ઉપવલય $4x^2 + 3y^2 = 24$ ની નાભિઓ સમાન હોય, તો આ અતિવલય _____ થામ વાળા બિંદુમાંથી પણ પસાર થશે.

Options :

40503626757. $\left(2\sqrt{3}, \frac{3}{\sqrt{2}}\right)$

40503626758. $\left(2\sqrt{3}, \frac{3}{2}\right)$

40503626759. $\left(\frac{1}{\sqrt{6}}, 1\right)$

40503626760. $\left(\frac{1}{\sqrt{6}}, \frac{\sqrt{2}}{3}\right)$

Question Number : 16 Question Id : 4050367327 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let P be the point of intersection of the plane, $4x - 6y + 14z = 57$ with the line joining the points A(2, 3, 5) and B(1, -1, 4).

If $BP = \lambda AP$, then the value of λ is :

Options :

40503626761. $\frac{1}{9}$

40503626762. 9

40503626763. $\frac{1}{3}$

40503626764. 3

Question Number : 16 Question Id : 4050367327 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

માના સમતલ $4x - 6y + 14z = 57$ કા બિન્દુઓ
 $A(2, 3, 5)$ તથા $B(1, -1, 4)$ કો મિલારને વાલી રેલા
સે પ્રતિલ્લેદન બિન્દુ P હૈ. યદિ $BP = \lambda AP$, તો λ કા
માન હૈ :

Options :

40503626761. $\frac{1}{9}$

40503626762. 9

40503626763. $\frac{1}{3}$

40503626764. 3

Question Number : 16 Question Id : 4050367327 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ધારોકે P ઁ સમતલ $4x - 6y + 14z = 57$ ઁને બિંદુઓ
 $A(2, 3, 5)$ તથા $B(1, -1, 4)$ ને જોડની રેખા નું છેદ
બિંદુ છે. જો $BP = \lambda AP$ હોય, તો λ ની કિંમત
_____ થાય.

Options :

40503626761. $\frac{1}{9}$

40503626762. 9

40503626763. $\frac{1}{3}$

40503626764. $\frac{3}{4}$

Question Number : 17 Question Id : 4050367328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

A six faced biased dice is so loaded that in any of its toss getting any of even scores is equally likely and the probability of getting an even score is three times the probability of getting an odd score. This dice is tossed repeatedly until a six is obtained. If X denotes the number of tosses required, then $P(X < 4)$ is :

Options :

40503626765. $\frac{19}{3^3}$

40503626766. $\frac{37}{4^3}$

40503626767. $\frac{61}{4^3}$

Question Number : 17 Question Id : 4050367328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

एक अभिनत षट्फलक पासा इस प्रकार का है कि इसके किसी उछाल में किसी भी सम संख्या का आना समप्रायिक (equally likely) है तथा इस पर सम संख्या के आने की प्रायिकता विषम संख्या के आने की प्रायिकता से तीन गुना है। इस पासे को तब तक उछाला जाता है जब तक कि एक छः न प्राप्त हो जाये। यदि X , पासे को उछालने की आवश्यक संख्या को दर्शाता है, तो $P(X < 4)$ है :

Options :

40503626765. $\frac{19}{3^3}$

40503626766. $\frac{37}{4^3}$

40503626767. $\frac{61}{4^3}$

40503626768. $\frac{397}{(12)^3}$

Correct Marks : 4 Wrong Marks : 1

છ બાજુઓ વાળા સમતોલ ન હોય તેવા એક પાસાને એવી રીતે તૈયાર કરવામાં આવ્યો છે કે જેથી તેના કોઈ પણ ઉછાળમાં કોઈ પણ યુગ્મ પરિણામ મળે તે સમસંભાવી છે, અને તેના પર યુગ્મ પરિણામ મળે તેની સંભાવના એ તેના પર અયુગ્મ પરિણામ મળે તેની સંભાવના કરતા 3 ગણી વધુ છે. જ્યાં સુધી 6 ન મળે ત્યાં સુધી પાસાને ઉછાળવામાં આવે છે. જો X એ જરૂરી ઉછાળોની સંખ્યા દર્શાવે, તો $P(X < 4) =$ _____.

Options :

40503626765. $\frac{19}{3^3}$

40503626766. $\frac{37}{4^3}$

40503626767. $\frac{61}{4^3}$

40503626768. $\frac{397}{(12)^3}$

Question Number : 18 Question Id : 4050367329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If $2\sin x - \cos 2x = 1$, then :

40503626769. $\cos^4 x - \cos^2 x = 3 - \sqrt{5}$

40503626770. $2(\cos^4 x - \cos^2 x) = -1$

40503626771. $\sin^4 x - \sin^2 x = 2 - \sqrt{5}$

40503626772. $2(\sin^4 x - \sin^2 x) = 1$

Question Number : 18 Question Id : 4050367329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

यदि $2\sin x - \cos 2x = 1$ है, तो :

Options :

40503626769. $\cos^4 x - \cos^2 x = 3 - \sqrt{5}$

40503626770. $2(\cos^4 x - \cos^2 x) = -1$

40503626771. $\sin^4 x - \sin^2 x = 2 - \sqrt{5}$

40503626772. $2(\sin^4 x - \sin^2 x) = 1$

Question Number : 18 Question Id : 4050367329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Options :

40503626769. $\cos^4 x - \cos^2 x = 3 - \sqrt{5}$

40503626770. $2(\cos^4 x - \cos^2 x) = -1$

40503626771. $\sin^4 x - \sin^2 x = 2 - \sqrt{5}$

40503626772. $2(\sin^4 x - \sin^2 x) = 1$

Question Number : 19 Question Id : 4050367330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Let $\vec{a}, \vec{b}, \vec{c}$ be any three non-coplanar vectors. If the points

$$A(-2\vec{a} + 3\vec{b} + 5\vec{c}),$$

$$B(\vec{a} + 2\vec{b} + 3\vec{c}) \text{ and } C(7\vec{a} - \lambda\vec{c}) \text{ are}$$

collinear, then λ is equal to :

Options :

40503626773. 1

40503626774. -1

40503626776. ⁻²

Question Number : 19 Question Id : 4050367330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

माना $\vec{a}$, $\vec{b}$, $\vec{c}$ कोई तीन असमतलीय (non-coplanar) सदिश हैं। यदि बिन्दु

$$A(-2\vec{a} + 3\vec{b} + 5\vec{c}),$$

$$B(\vec{a} + 2\vec{b} + 3\vec{c}) \text{ तथा } C(7\vec{a} - \lambda\vec{c})$$

सरेख हैं, तो λ बराबर है :

Options :

40503626773. ¹

40503626774. ⁻¹

40503626775. ²

40503626776. ⁻²

Question Number : 19 Question Id : 4050367330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

ધારો કે $\vec{a}$, $\vec{b}$, $\vec{c}$ એ ત્રણ વિષમતલીય સદિશો છે.

જો બિંદુઓ $A(-2\vec{a} + 3\vec{b} + 5\vec{c})$,

$B(\vec{a} + 2\vec{b} + 3\vec{c})$ અને $C(7\vec{a} - \lambda\vec{c})$

સમરેખ હોય, તો λ ની કિંમત _____ થાય.

Options :

40503626773. 1

40503626774. -1

40503626775. 2

40503626776. -2

Question Number : 20 Question Id : 4050367331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is a tautology ?

Options :

40503626777. $\sim (p \rightarrow q) \rightarrow q$

40503626778. $\sim (p \rightarrow q) \leftrightarrow \sim q$

40503626780. $\sim (p \rightarrow q) \rightarrow p$

Question Number : 20 Question Id : 4050367331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

નિમ્ન મેં સે કૌન સી એક પુનરુક્તિ હૈ?

Options :

40503626777. $\sim (p \rightarrow q) \rightarrow q$

40503626778. $\sim (p \rightarrow q) \leftrightarrow \sim q$

40503626779. $\sim (p \rightarrow q) \leftrightarrow p$

40503626780. $\sim (p \rightarrow q) \rightarrow p$

Question Number : 20 Question Id : 4050367331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

નીચેનામાંથી કયું નિત્યસત્ય છે?

Options :

40503626777. $\sim (p \rightarrow q) \rightarrow q$

40503626778. $\sim (p \rightarrow q) \leftrightarrow \sim q$

40503626780. $\sim (p \rightarrow q) \rightarrow p$

Sub-Section Number :

2

Sub-Section Id :

405036540

Question Shuffling Allowed :

Yes

Question Number : 21 Question Id : 4050367332 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

If the sum of all possible 4 digit numbers formed using digits 1, 2, 3, 4 without repetition, is 1111k, then k is equal to

_____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 21 Question Id : 4050367332 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

यदि अंकों 1, 2, 3, 4 का प्रयोग करके, अंकों को बिना दोहराए, बनाई गयी सभी संभव 4 अंकों की संख्याओं का योगफल 1111k है, तो k बराबर है _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 21 Question Id : 4050367332 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

જો પુનરાવર્તન વગર અંકો 1, 2, 3, 4 ના ઉપયોગથી
બનતી 4 અંકોની બધીજ શક્ય સંખ્યાઓનો સરવાળો
 $1111k$ હોય, તો $k =$ _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 22 Question Id : 4050367333 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

If $x = \operatorname{cosec}\theta - \sin\theta$ and $y = \operatorname{cosec}^5\theta - \sin^5\theta$,

$0 < \theta < \frac{\pi}{2}$, then $(x^2 + 4) \left(\frac{dy}{dx} \right)^2 - 25y^2$

is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Question Number : 22 Question Id : 4050367333 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

यदि $x = \operatorname{cosec} \theta - \sin \theta$ तथा $y = \operatorname{cosec}^5 \theta - \sin^5 \theta$,

$0 < \theta < \frac{\pi}{2}$ हैं, तो $(x^2 + 4) \left(\frac{dy}{dx} \right)^2 - 25y^2$

बराबर है _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 22 Question Id : 4050367333 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

જો $x = \operatorname{cosec} \theta - \sin \theta$ અને $y = \operatorname{cosec}^5 \theta - \sin^5 \theta$,

$0 < \theta < \frac{\pi}{2}$ હોય, તો

$(x^2 + 4) \left(\frac{dy}{dx} \right)^2 - 25y^2 = \underline{\hspace{2cm}}$.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

5 to 5.002

Question Number : 23 Question Id : 4050367334 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

Let the function $f : \mathbb{N} \rightarrow \mathbb{R}$ satisfy
 $f(x+y) = f(x) \cdot f(y)$ for all $x, y \in \mathbb{N}$ and $f(1) = 2$.

If $\sum_{k=1}^{50} f(4+k) = \lambda(2^\beta - 1)$, then $\lambda + \beta$ is
equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 23 Question Id : 4050367334 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

माना फलन $f : \mathbb{N} \rightarrow \mathbb{R}$, सभी $x, y \in \mathbb{N}$ के लिए
 $f(x+y) = f(x) \cdot f(y)$ को सन्तुष्ट करता है तथा $f(1) = 2$

है। यदि $\sum_{k=1}^{50} f(4+k) = \lambda(2^\beta - 1)$ है, तो $\lambda + \beta$
बराबर है _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Possible Answers :

5 to 5.002

Question Number : 23 Question Id : 4050367334 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

ધારોકે વિધેય $f : \mathbb{N} \rightarrow \mathbb{R}$ એ દરેક $x, y \in \mathbb{N}$ માટે

$f(x+y) = f(x) \cdot f(y)$ નું સમાધાન કરે છે અને $f(1) = 2$.

જો $\sum_{k=1}^{50} f(4+k) = \lambda(2^{\beta}-1)$ હોય, તો $\lambda + \beta =$

_____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 24 Question Id : 4050367335 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

Let the circle, $(x-a)^2 + (y-b)^2 = 8$ and the parabola, $y^2 = 4x$ have a common tangent at the point $P(1, 2)$. If C is the centre of the circle and S is the focus of the parabola, then the area (in sq. units) of ΔCPS is equal to

_____.

Response Type : Numeric

Evaluation Required For SA : Yes

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 24 Question Id : 4050367335 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

माना वृत्त, $(x - a)^2 + (y - b)^2 = 8$ तथा परवलय $y^2 = 4x$ की बिन्दु $P(1, 2)$ पर एक उभयनिष्ठ स्पर्श रेखा है। यदि वृत्त का केन्द्र C है तथा परवलय की नाभि S है, तो ΔCPS का क्षेत्रफल (वर्ग इकाइयों में) बराबर है _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 24 Question Id : 4050367335 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

ધારોકે વર્તુળ $(x - a)^2 + (y - b)^2 = 8$, $(b > 0)$ અને પરવલય $y^2 = 4x$ ને બિંદુ $P(1, 2)$ આગળ સામાન્ય સ્પર્શક છે. જો C એ વર્તુળનું કેન્દ્ર હોય અને S એ પરવલયની નાભિ હોય, તો ΔCPS નું ક્ષેત્રફળ (ચો. એકમમાં) _____ હોય.

Response Type : Numeric

Evaluation Required For SA : Yes

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 25 Question Id : 4050367336 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

If $y = y(x)$ is a solution of the differential

equation, $x \frac{dy}{dx} = y(2 - 3xy)$, $x > 0$ with

$y(1) = 1$, then $y\left(\frac{1}{4}\right)$ is equal to _____.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 25 Question Id : 4050367336 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

यदि अवकल समीकरण $x \frac{dy}{dx} = y(2 - 3xy)$, $x > 0$

जिसके लिए $y(1) = 1$ है, का हल $y = y(x)$ है, तो

$y\left(\frac{1}{4}\right)$ बराबर है _____।

Response Type : Numeric

Evaluation Required For SA : Yes

Text Areas : PlainText

Possible Answers :

5 to 5.002

Question Number : 25 Question Id : 4050367336 Question Type : SA Display Question Number : Yes

Correct Marks : 4 Wrong Marks : 0

જો $y = y(x)$ એ વિકલ સમીકરણ

$x \frac{dy}{dx} = y(2 - 3xy)$, $x > 0$ નો ઉકેલ હોય, જ્યાં

$y(1) = 1$, તો $y\left(\frac{1}{4}\right) = \underline{\hspace{2cm}}$.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.002

Aptitude Test

Section Id :

405036259

Section Number :

2

Section type :

Online

Mandatory or Optional :

Mandatory

Number of Questions :

50

Number of Questions to be attempted :

50

Section Marks :

200

Display Number Panel :

Yes

Mark As Answered Required? :

Yes

Sub-Section Number :

1

Sub-Section Id :

405036541

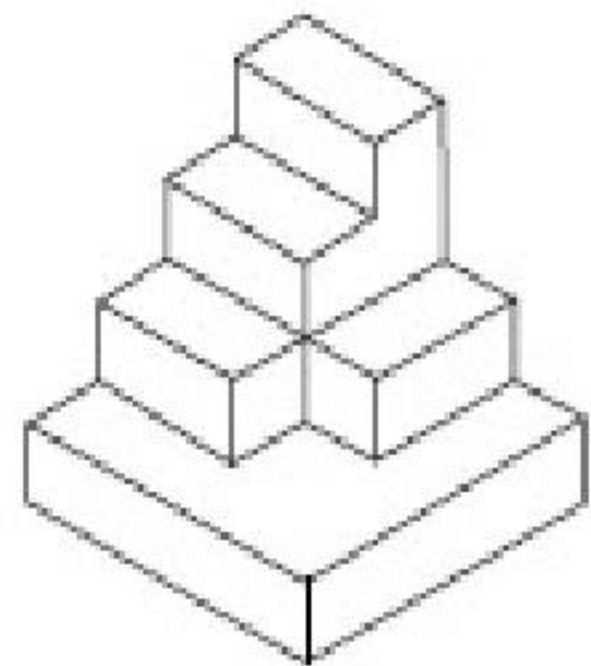
Question Shuffling Allowed :

Yes

Question Number : 26 Question Id : 4050367337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

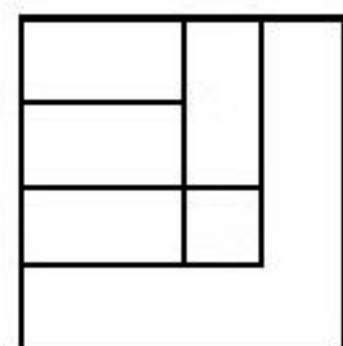
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

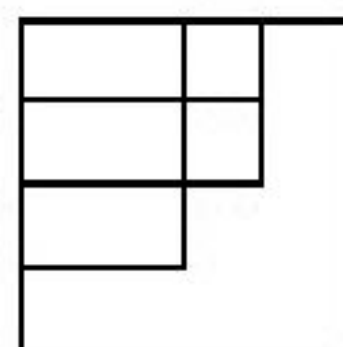


Options :

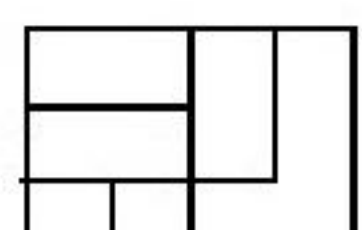
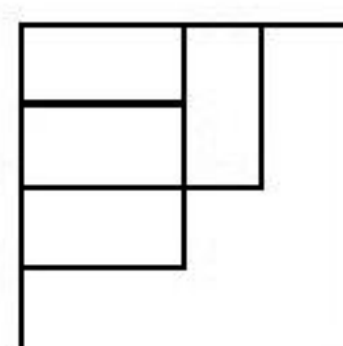
40503626786.



40503626787.

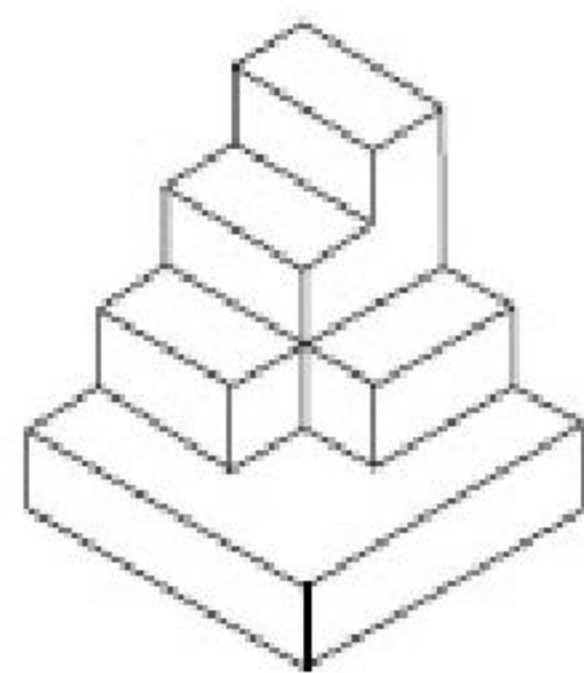


40503626788.

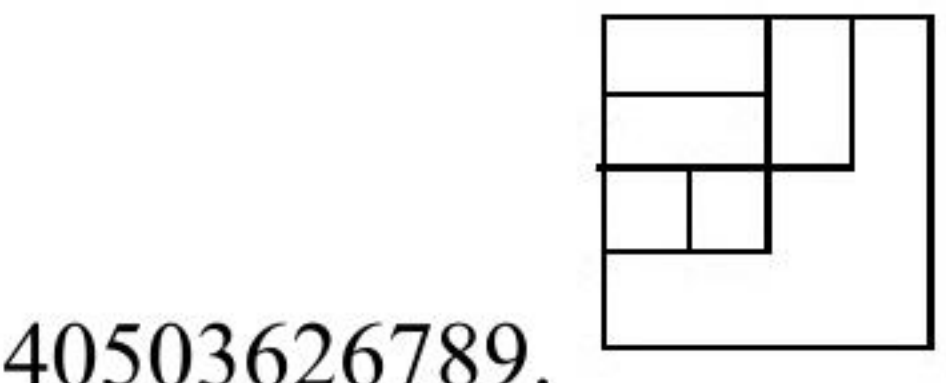
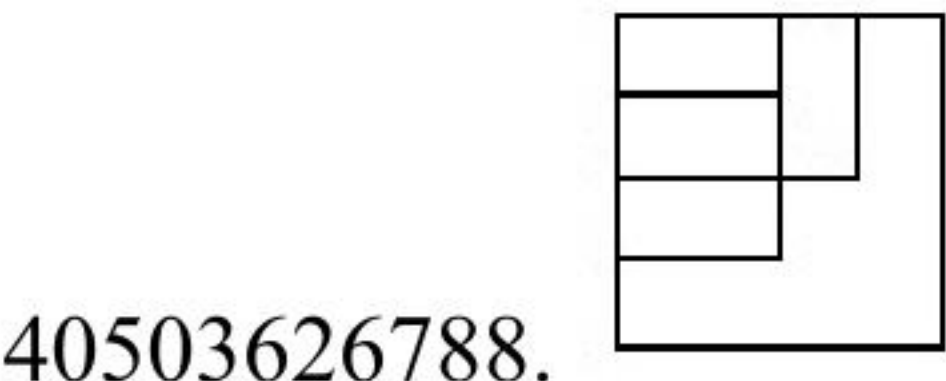
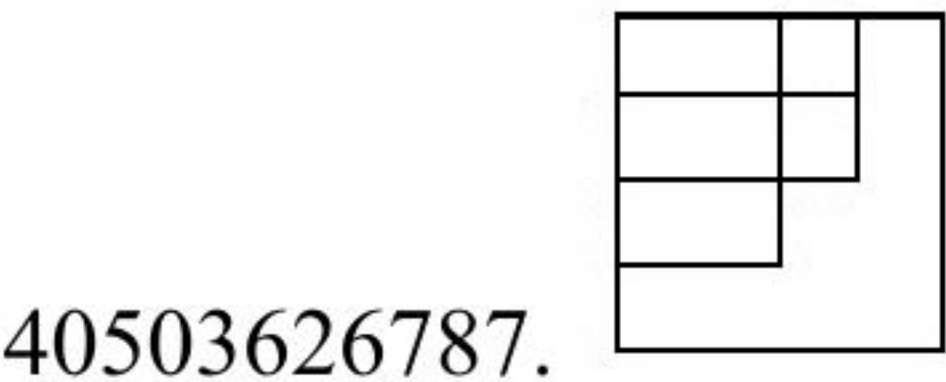
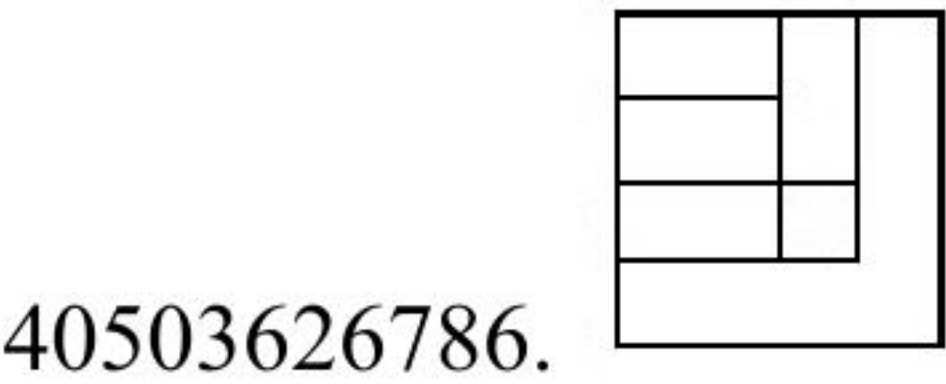


Question Number : 26 Question Id : 4050367337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

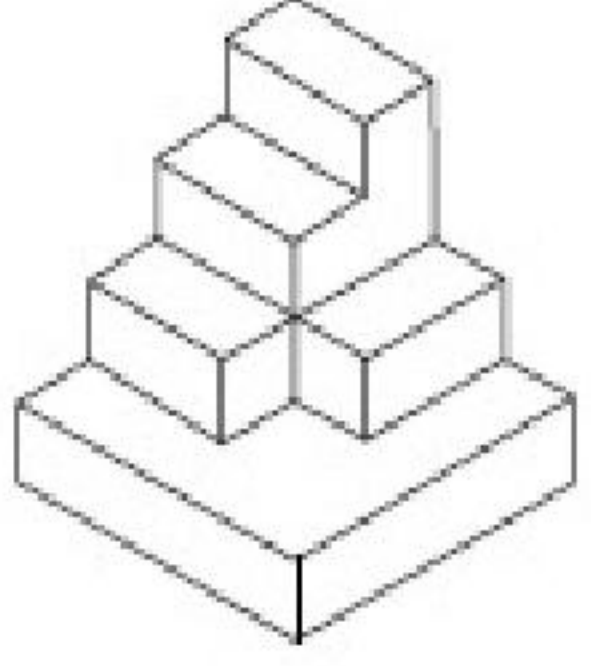


Options :



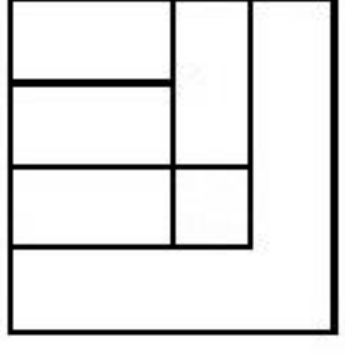
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દૃશ્ય બતાવે છે. જવાબ આકૃતિઓમાંથી આનું સાચું ઉપરી દૃશ્ય (top view) શોધો.

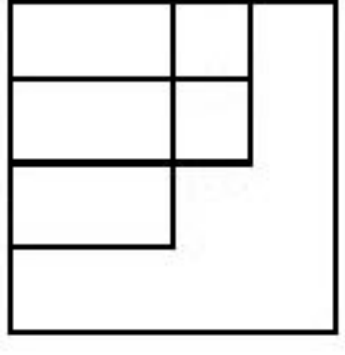


Options :

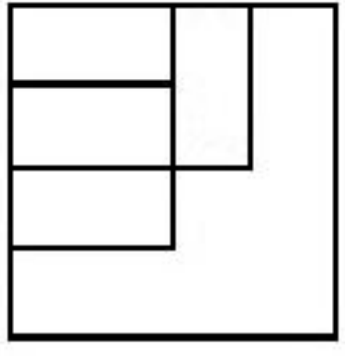
40503626786.



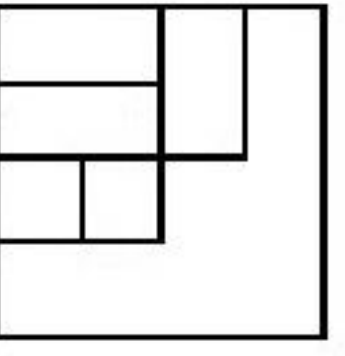
40503626787.



40503626788.

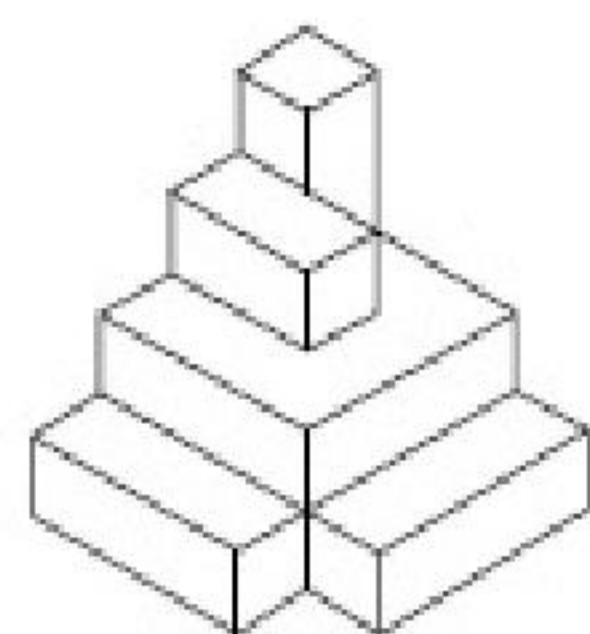


40503626789.

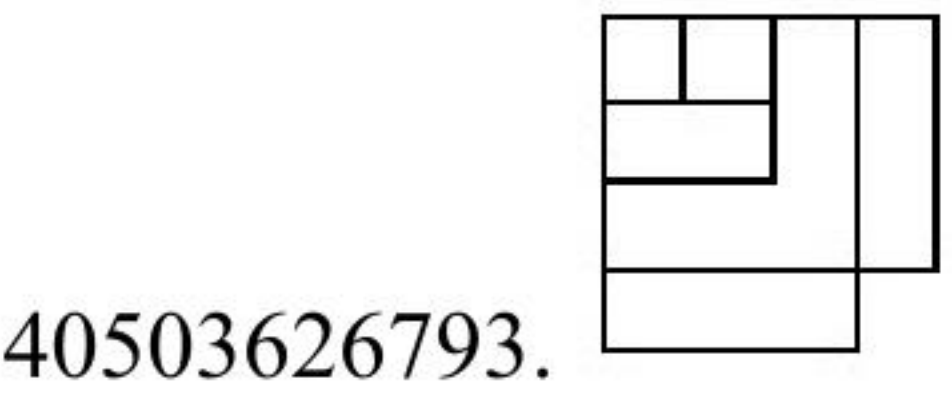
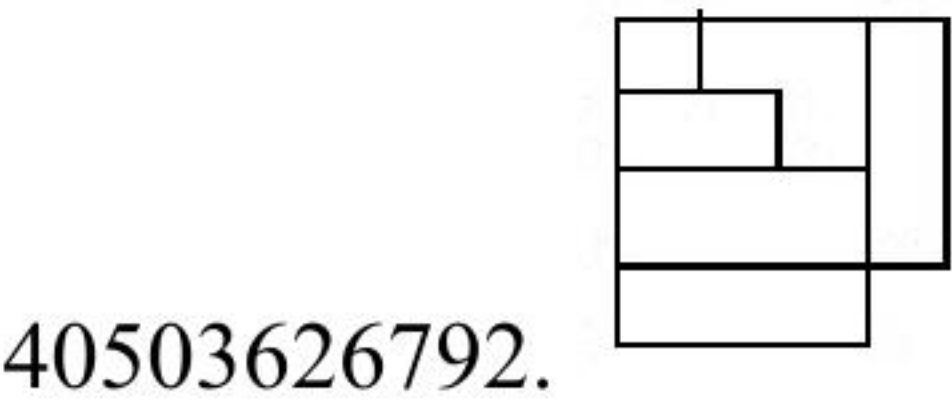
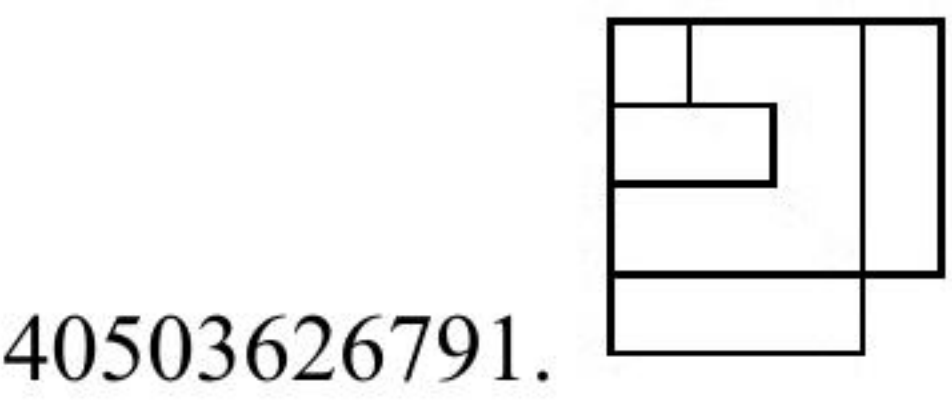
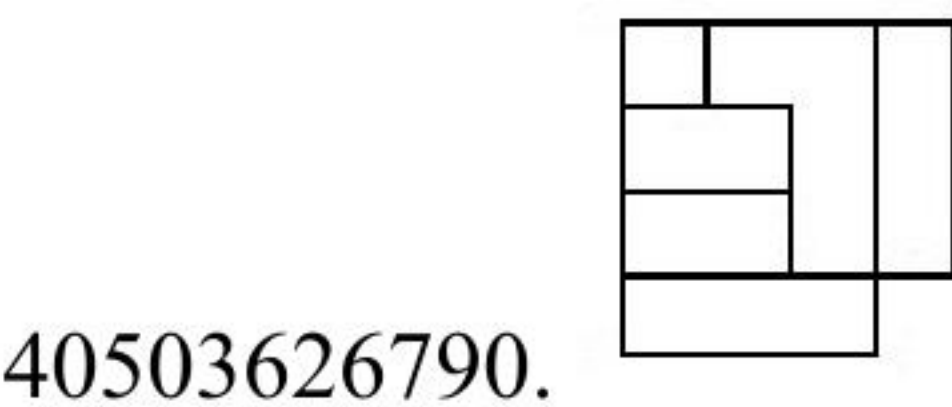


Question Number : 27 Question Id : 4050367338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

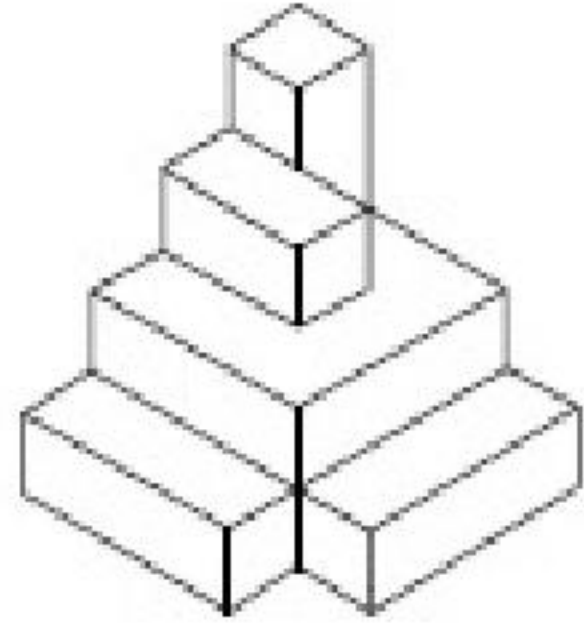


Options :



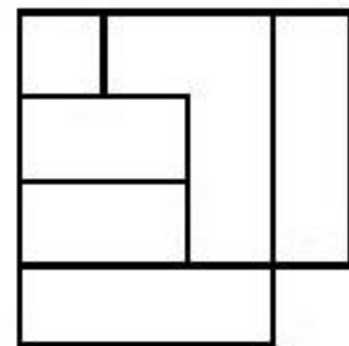
Question Number : 27 Question Id : 4050367338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

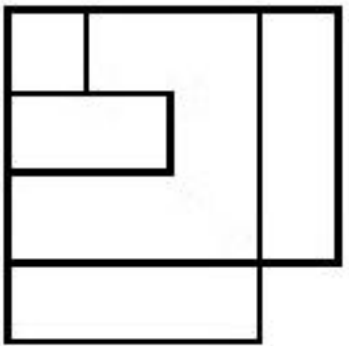


Options :

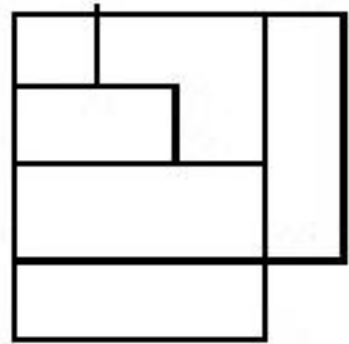
40503626790.



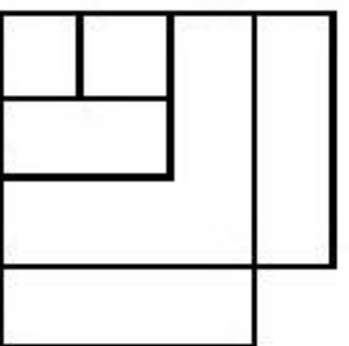
40503626791.



40503626792.

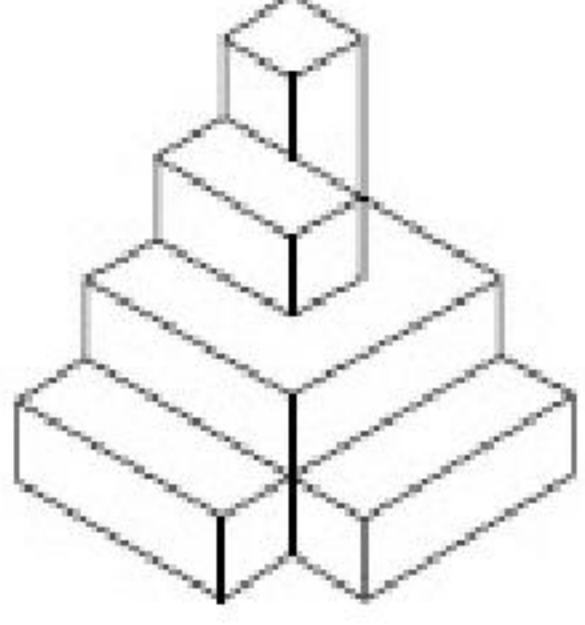


40503626793.

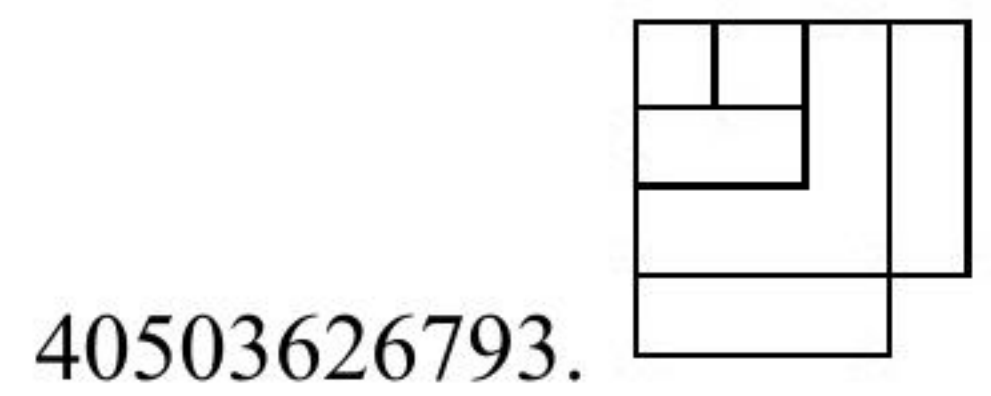
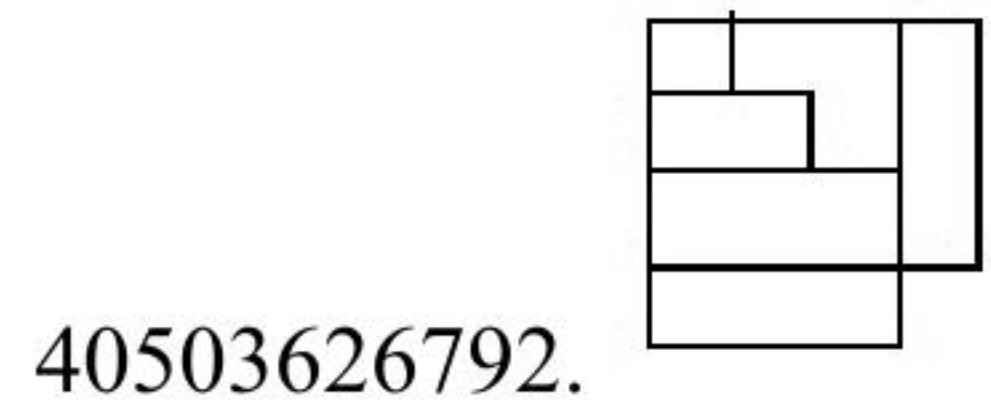
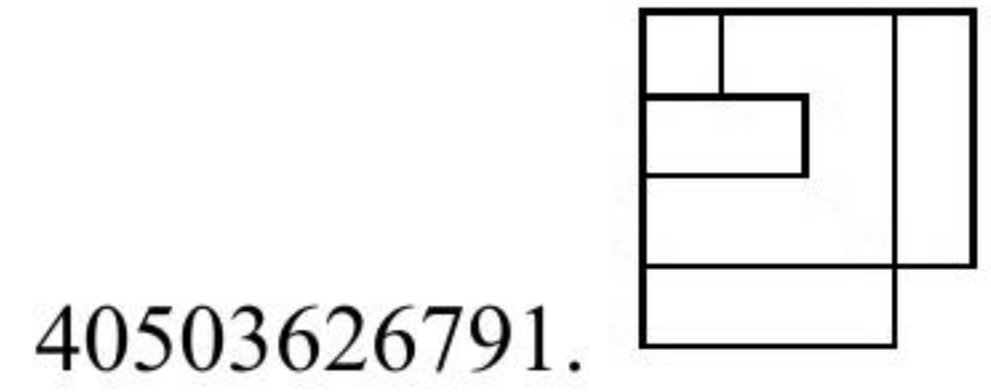
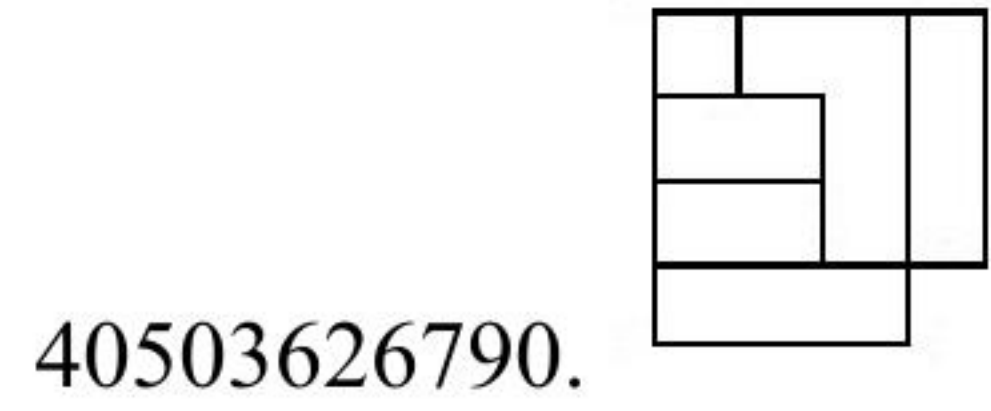


Question Number : 27 Question Id : 4050367338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. જવાબ આકૃતિઓમાંથી આનું સાચું ઉપરી દશ્ય (top view) શોધો.

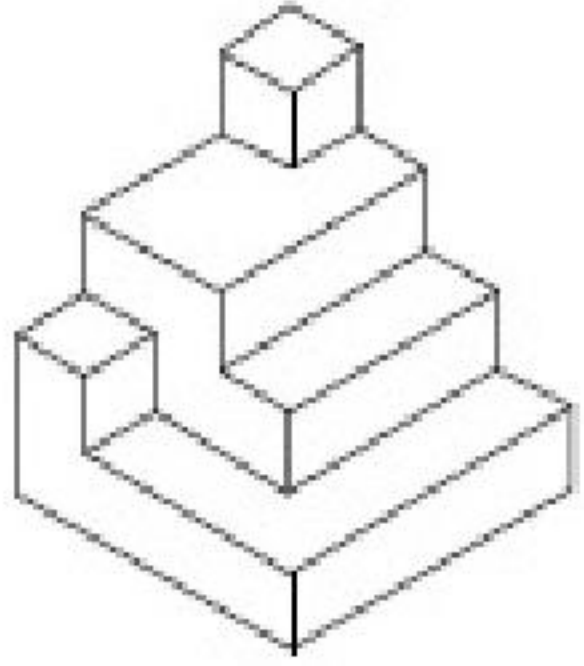


Options :

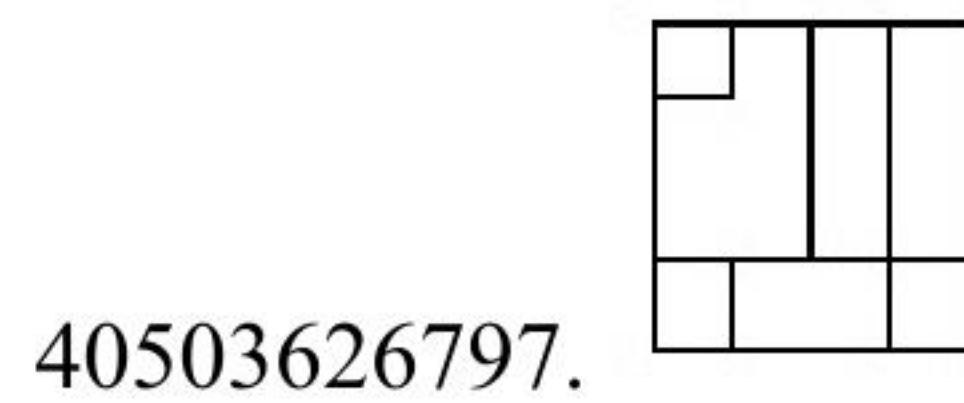
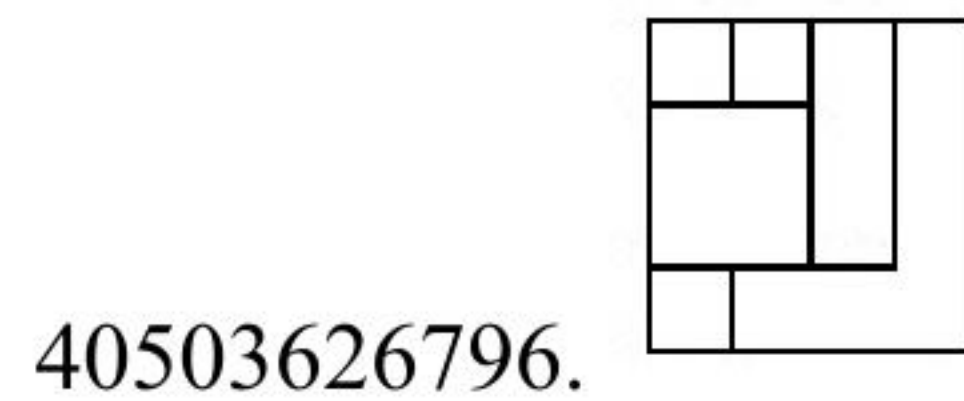
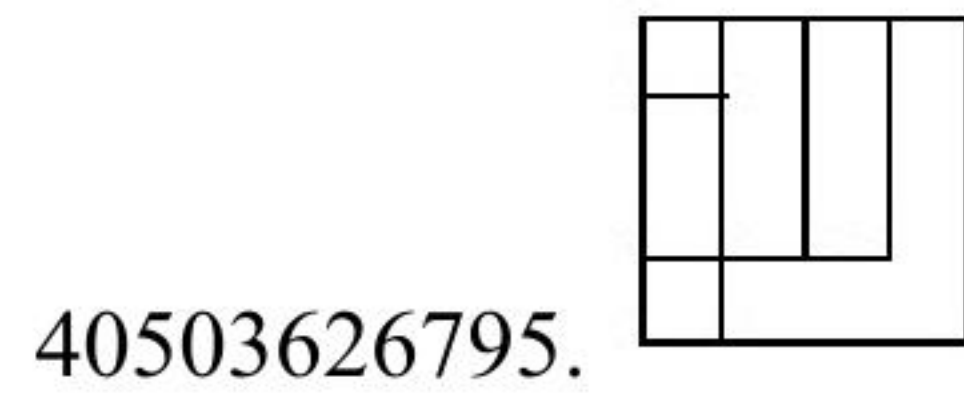
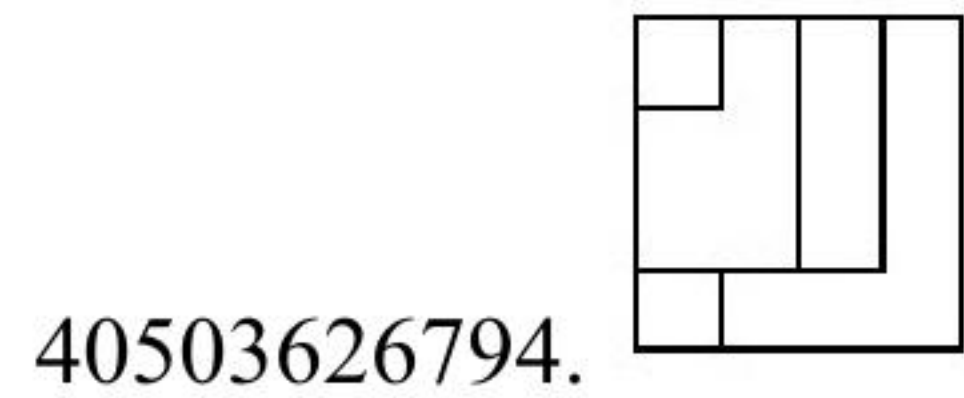


Question Number : 28 Question Id : 4050367339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

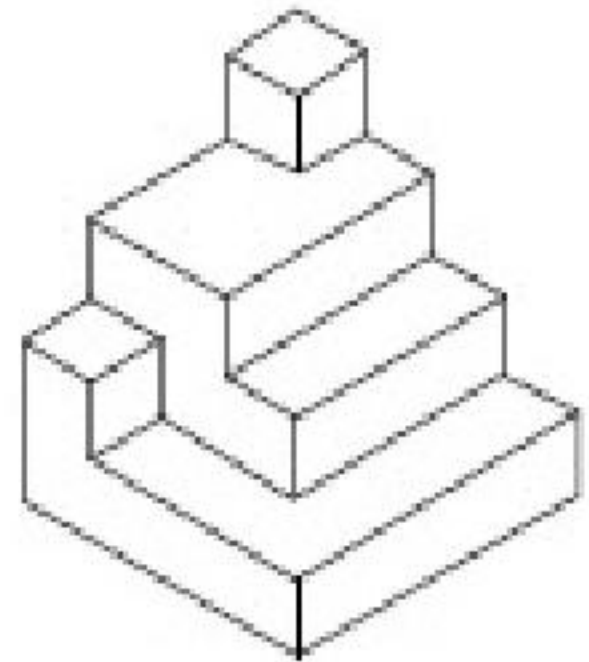


Options :

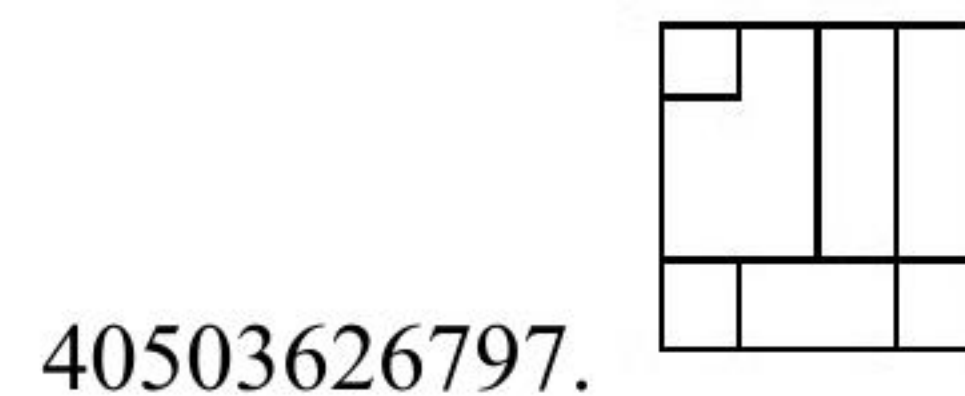
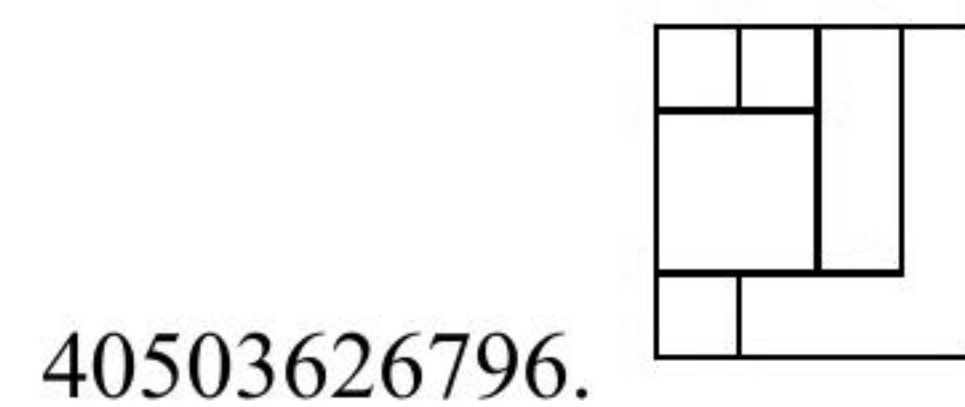
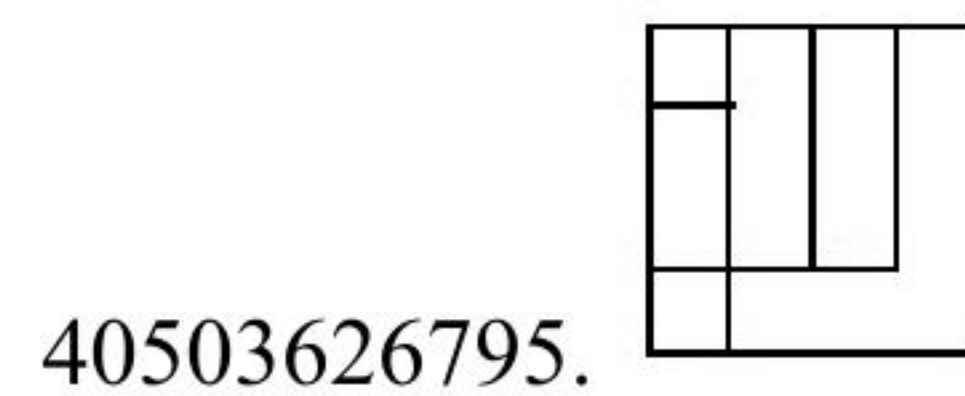
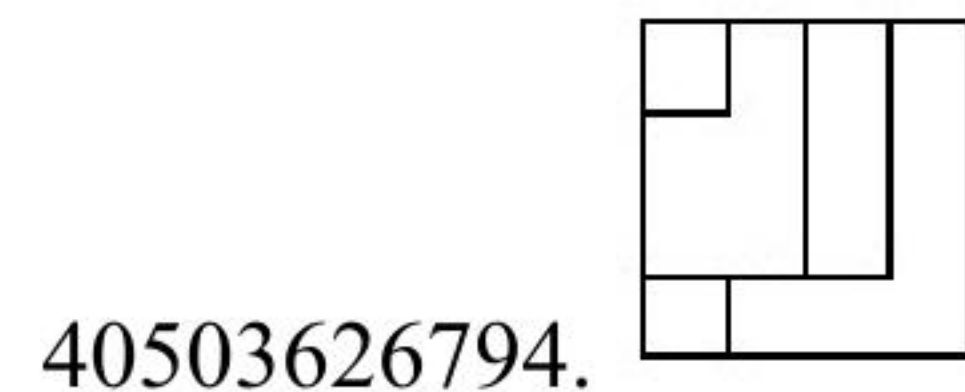


Question Number : 28 Question Id : 4050367339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

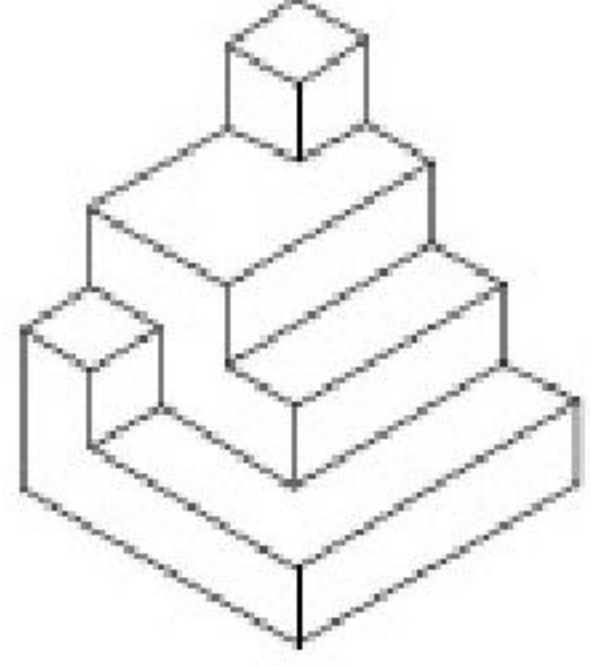


Options :

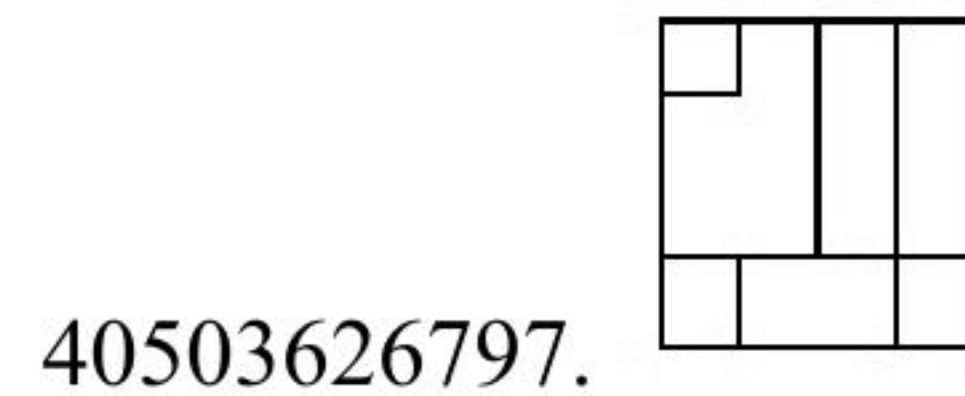
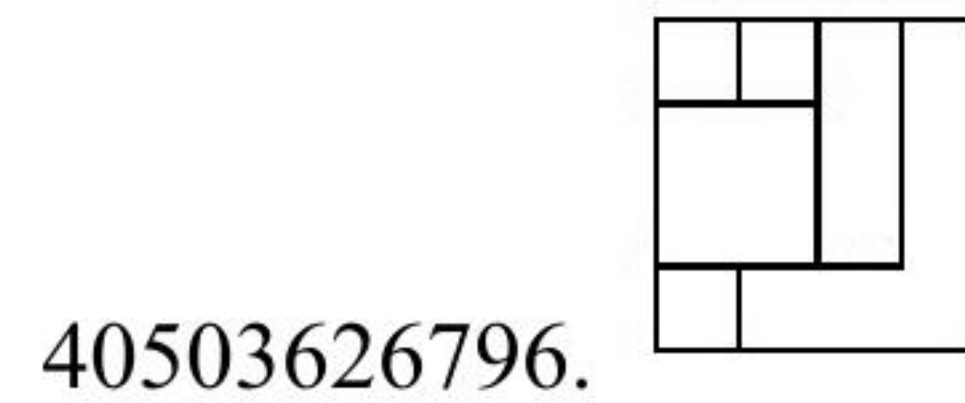
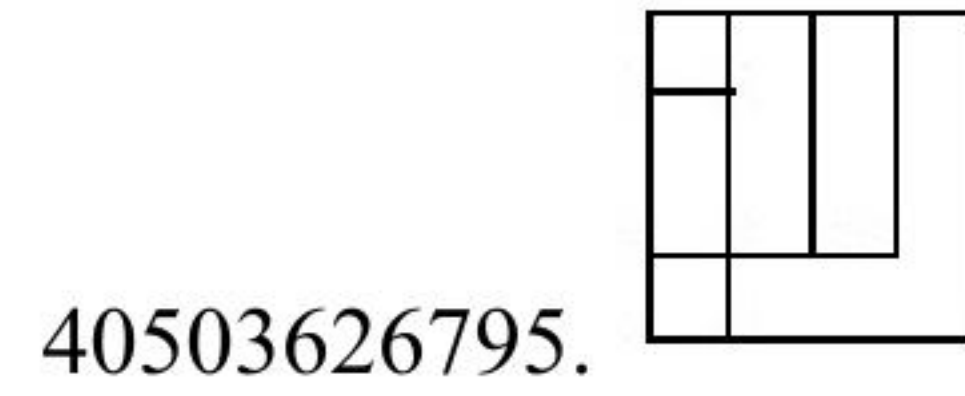
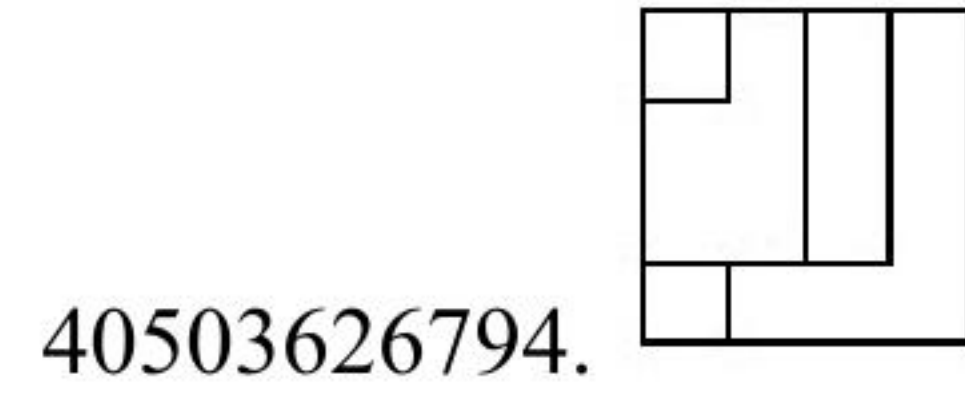


Question Number : 28 Question Id : 4050367339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
 Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
 Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. જવાબ આકૃતિઓમાંથી આનું સાચું ઉપરી દશ્ય (top view) શોધો.

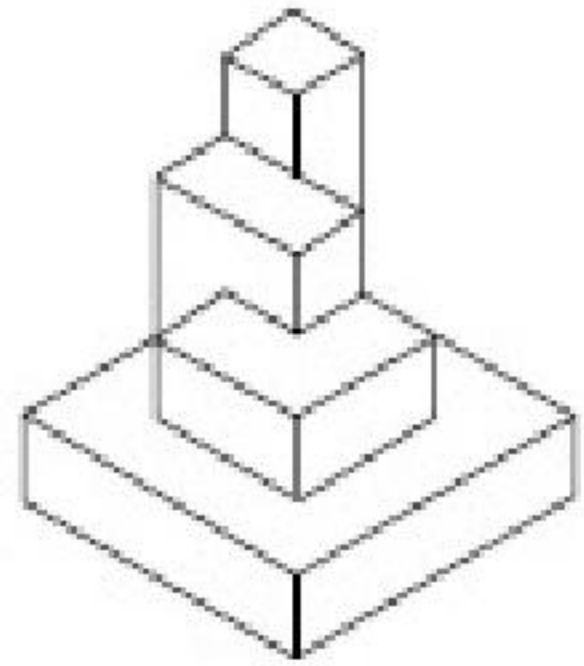


Options :

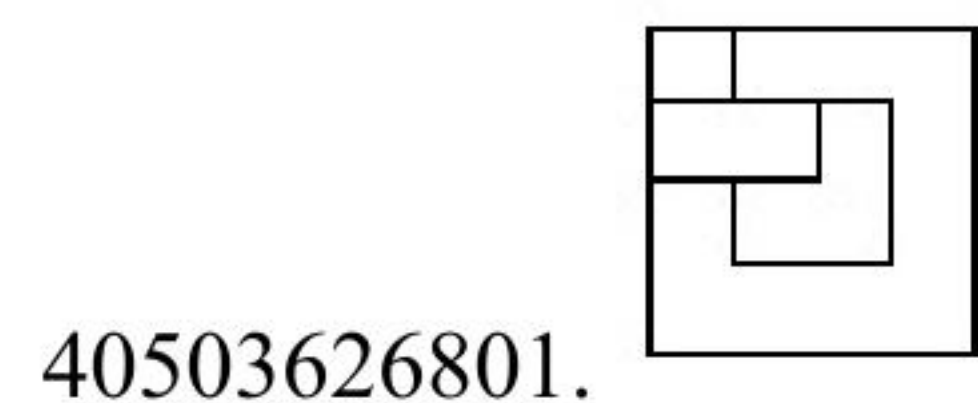
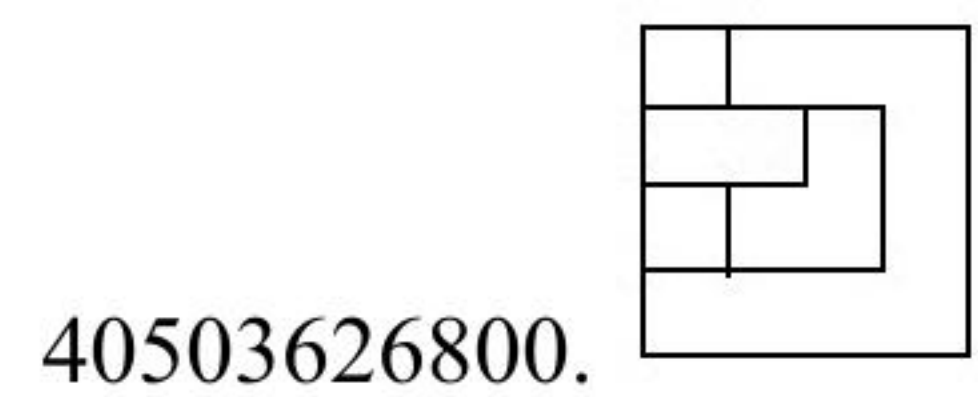
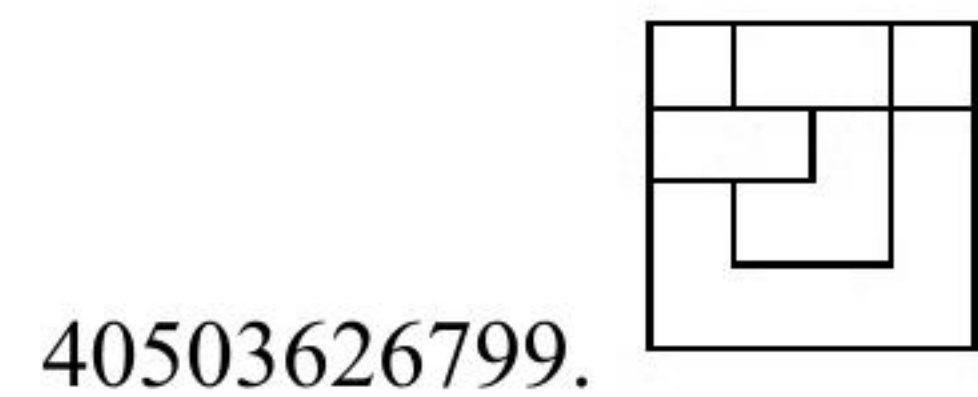
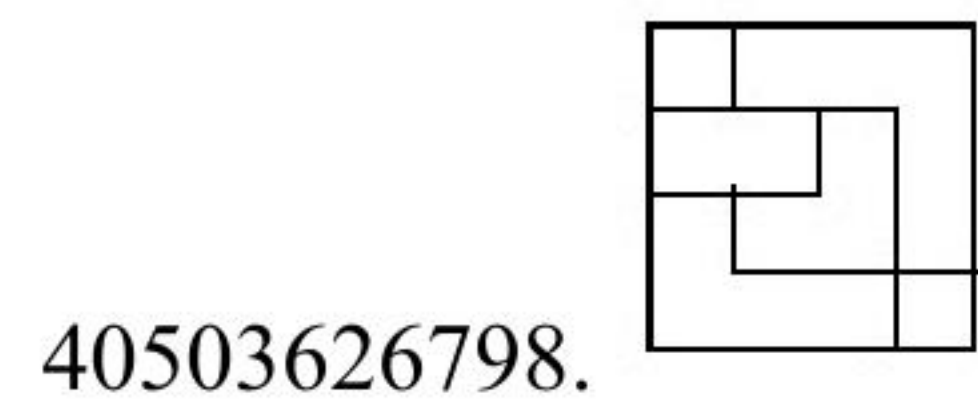


Question Number : 29 Question Id : 4050367340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

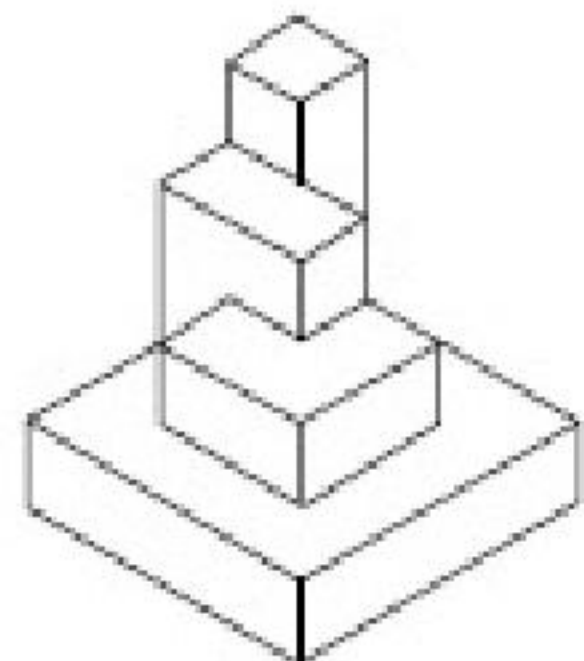


Options :



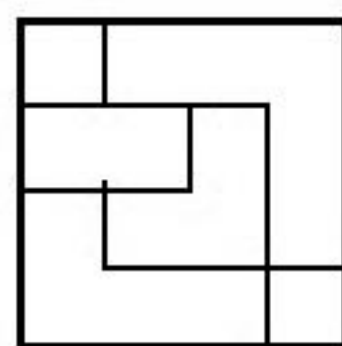
Question Number : 29 Question Id : 4050367340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

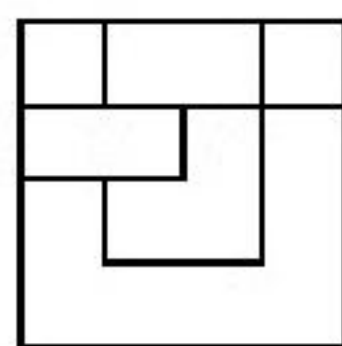


Options :

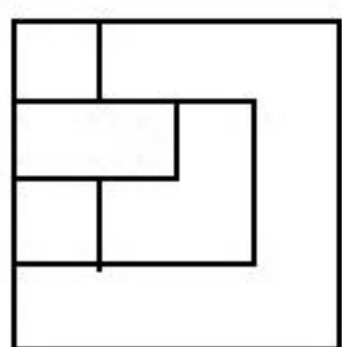
40503626798.



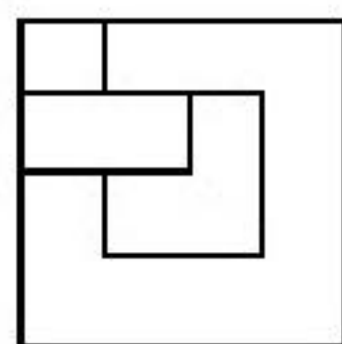
40503626799.



40503626800.

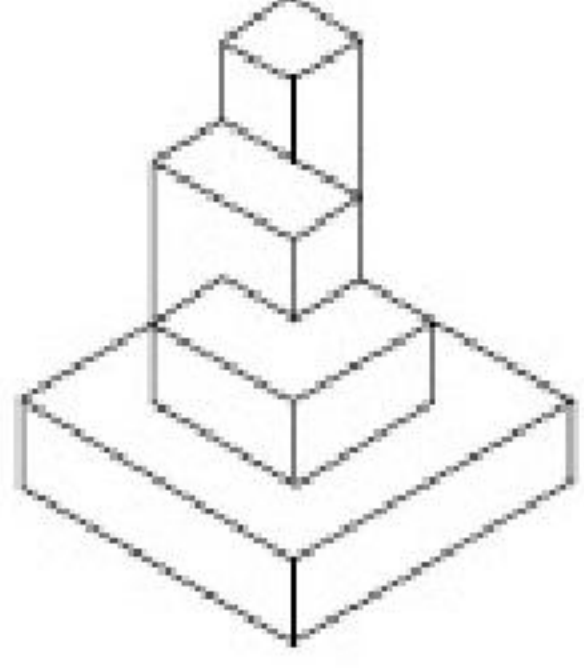


40503626801.

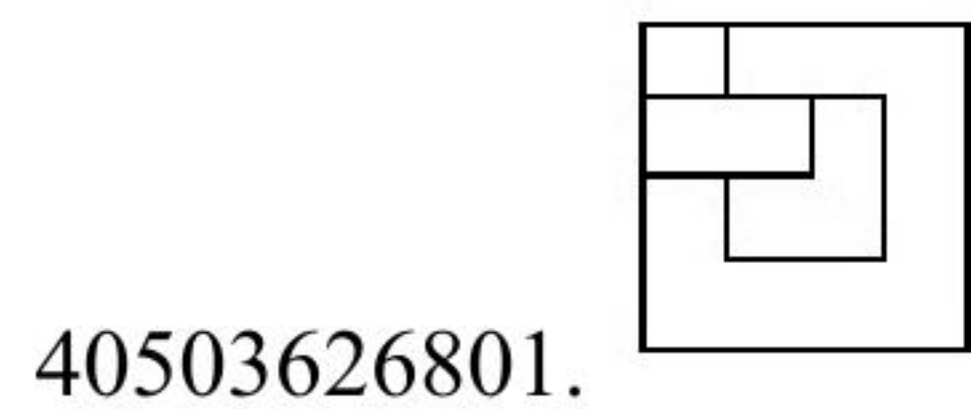
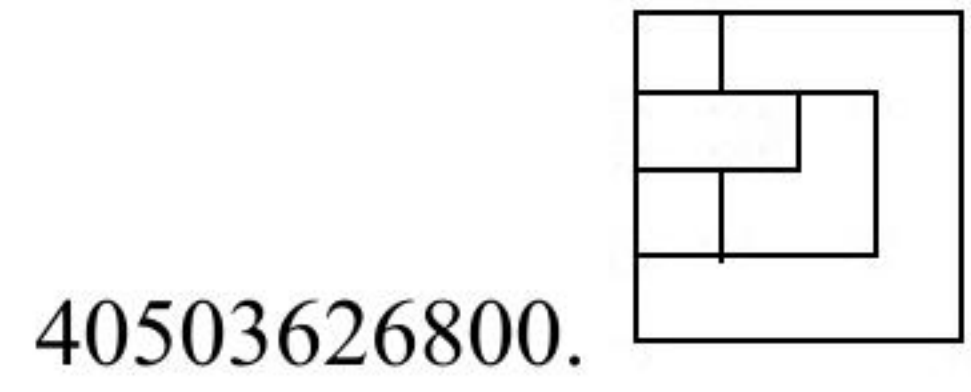
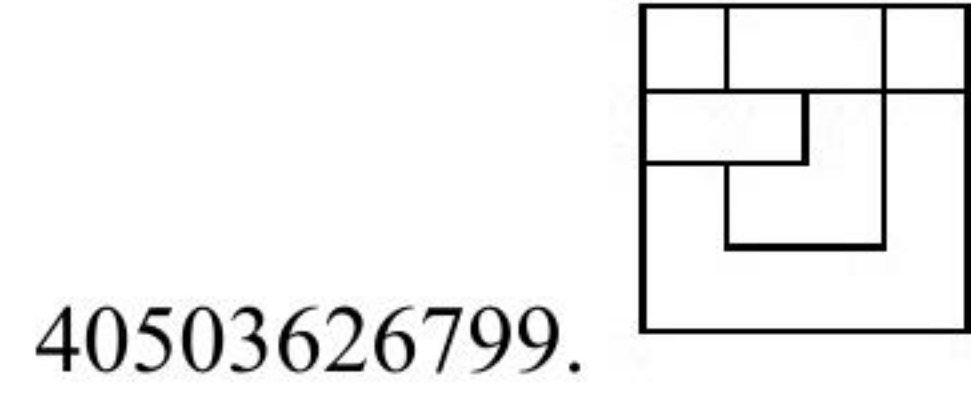
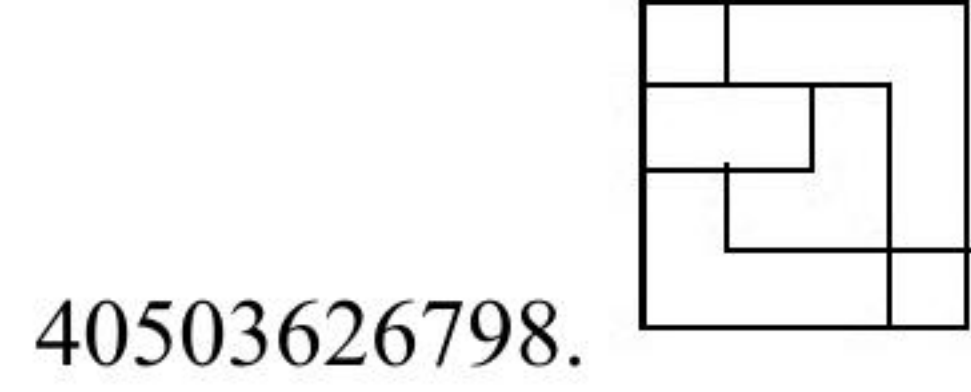


Question Number : 29 Question Id : 4050367340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દૃશ્ય બતાવે છે. જવાબ આકૃતિઓમાંથી આનું સાચું ઉપરી દૃશ્ય (top view) શોધો.

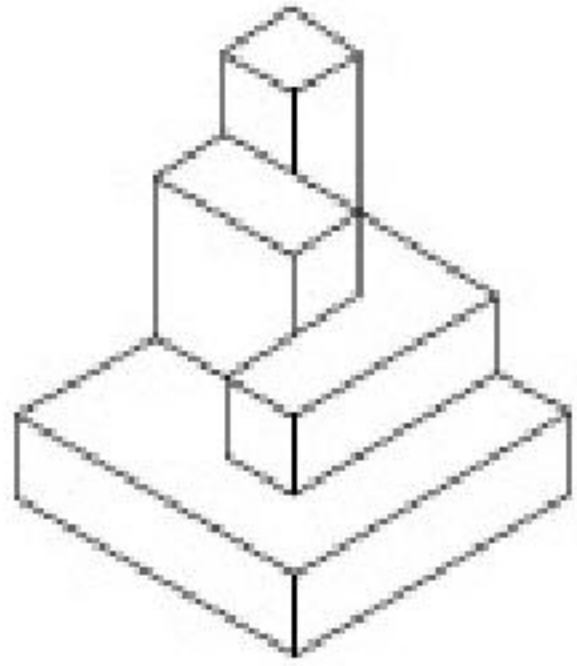


Options :



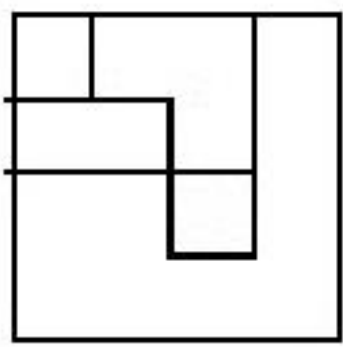
Question Number : 30 Question Id : 4050367341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct top view from amongst the answer figures.

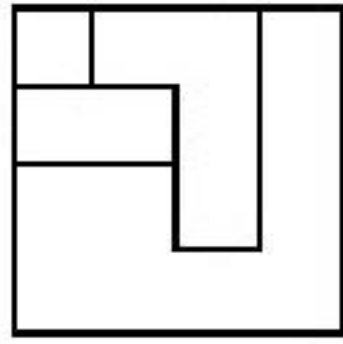


Options :

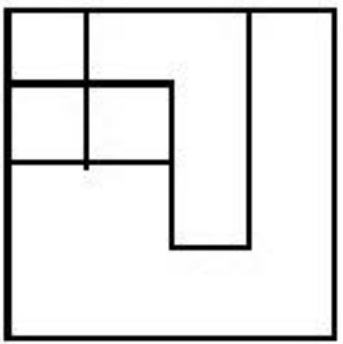
40503626802.



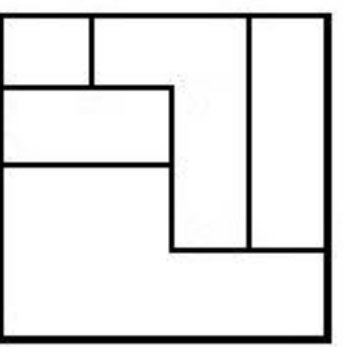
40503626803.



40503626804.

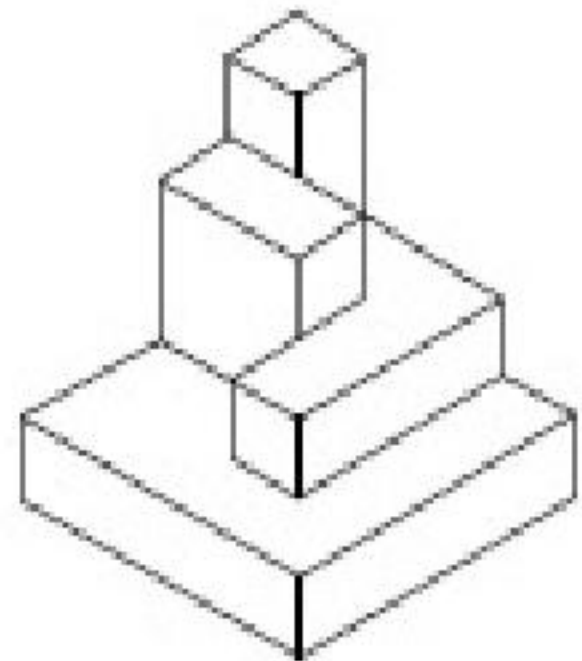


40503626805.

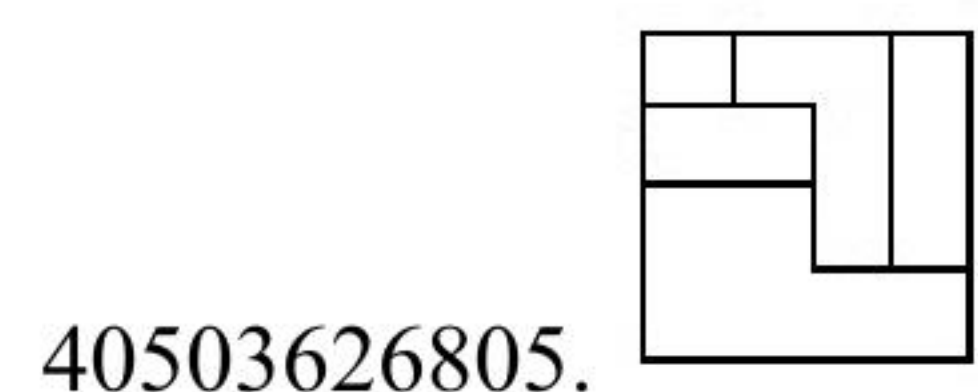
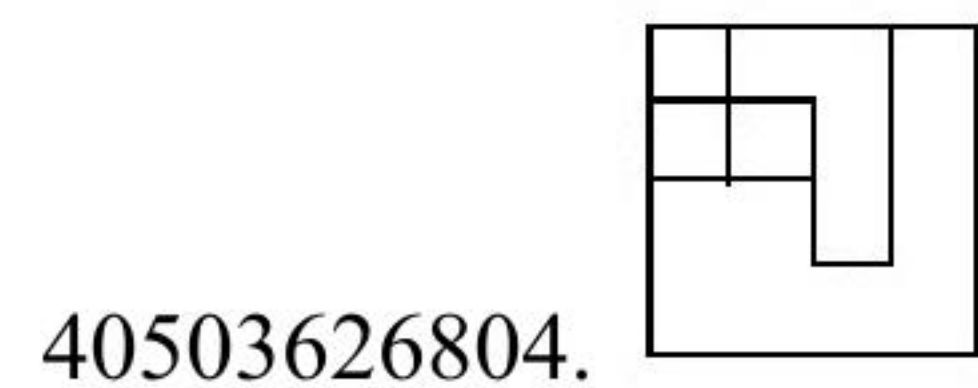
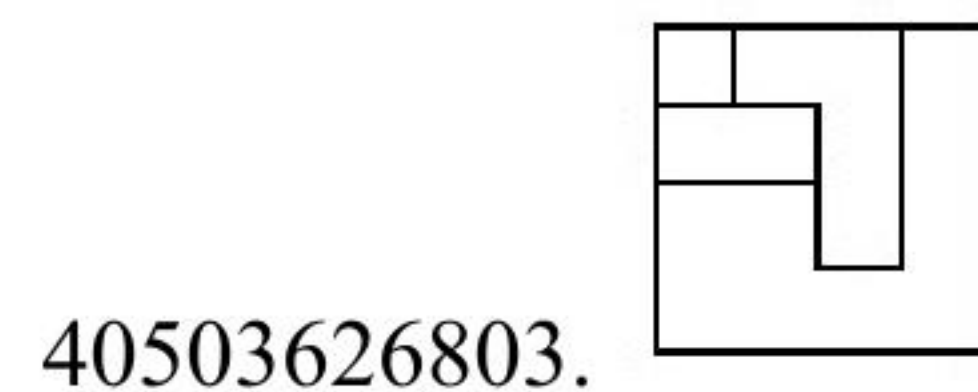
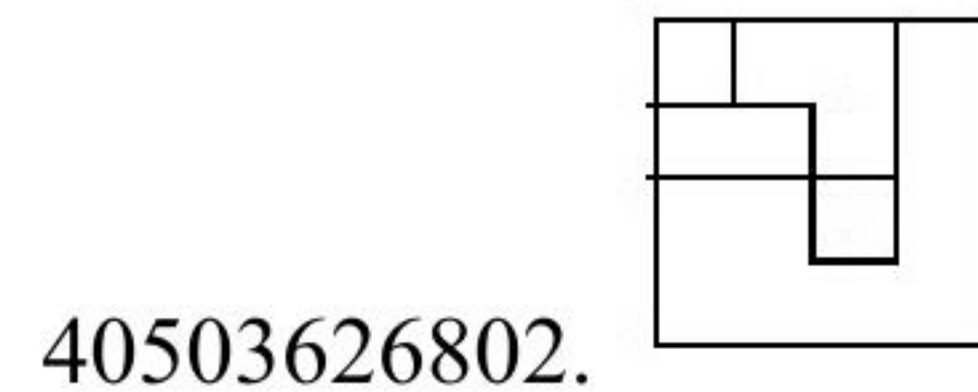


Question Number : 30 Question Id : 4050367341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। इसका सही ऊपरी दृश्य, उत्तर आकृतियों में से पहचानिये।

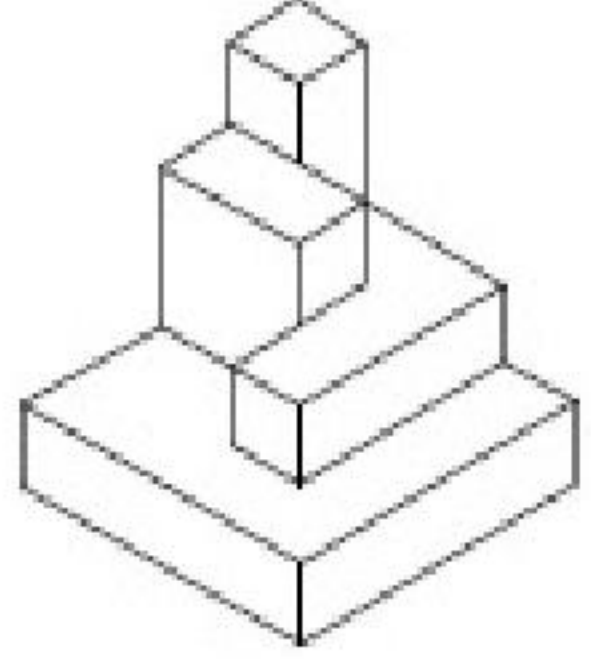


Options :

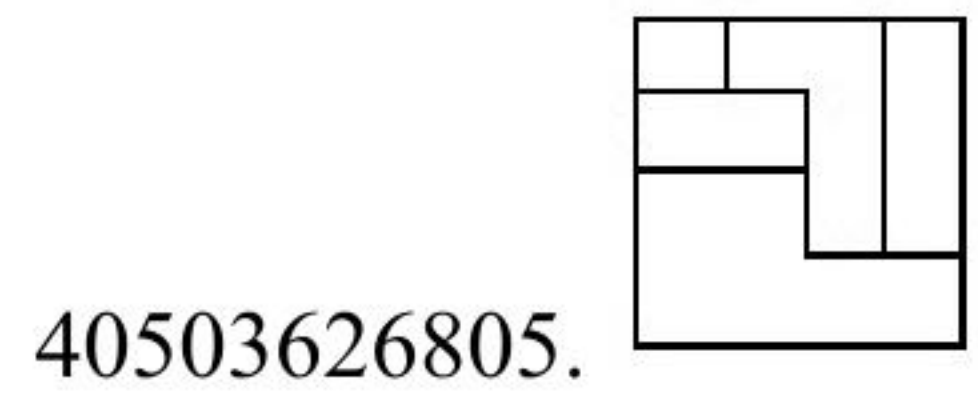
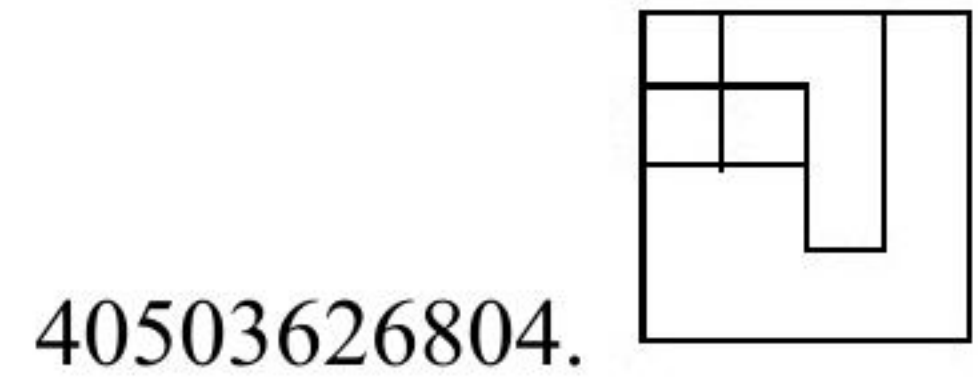
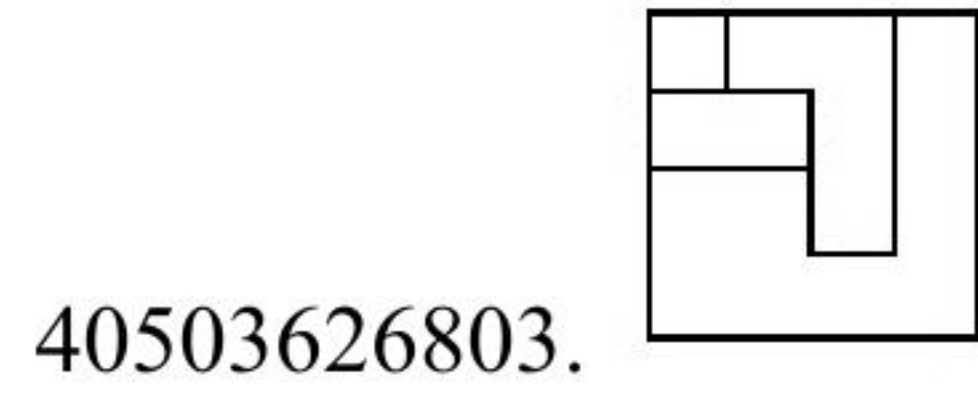
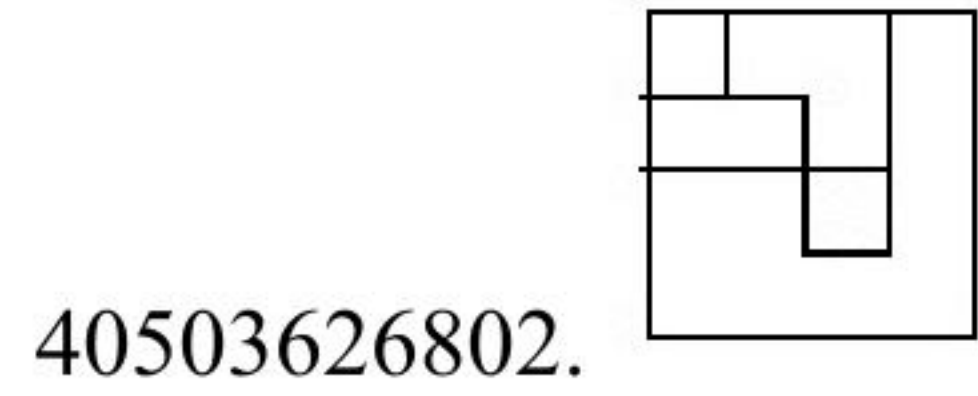


Question Number : 30 Question Id : 4050367341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
 Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
 Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. જવાબ આકૃતિઓમાંથી આનું સાચું ઉપરી દશ્ય (top view) શોધો.

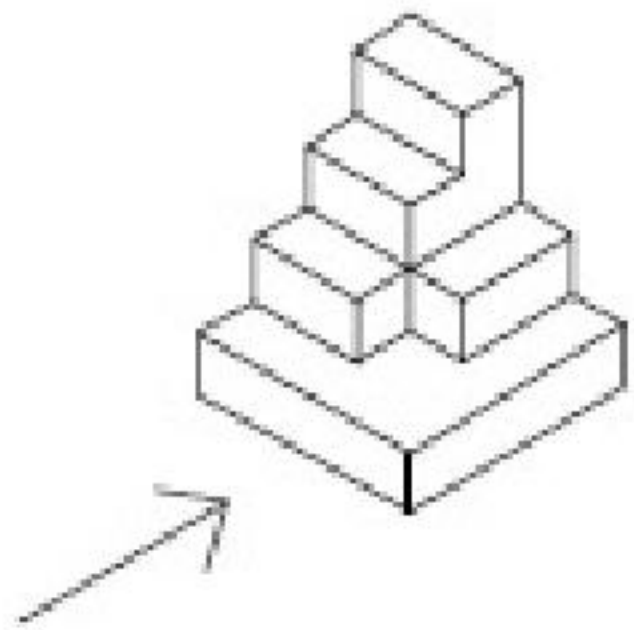


Options :

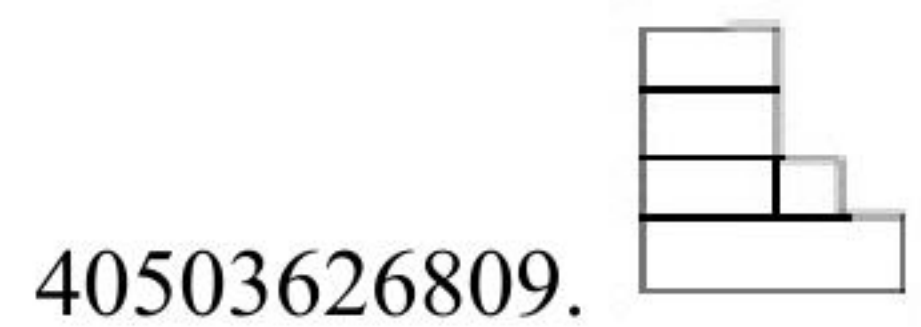
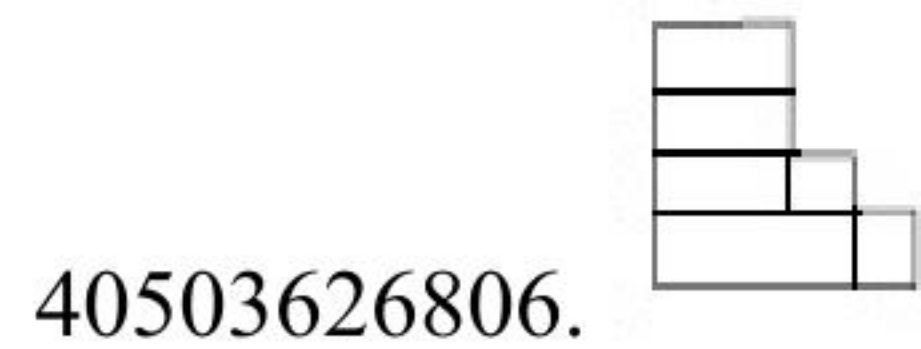


Question Number : 31 Question Id : 4050367342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

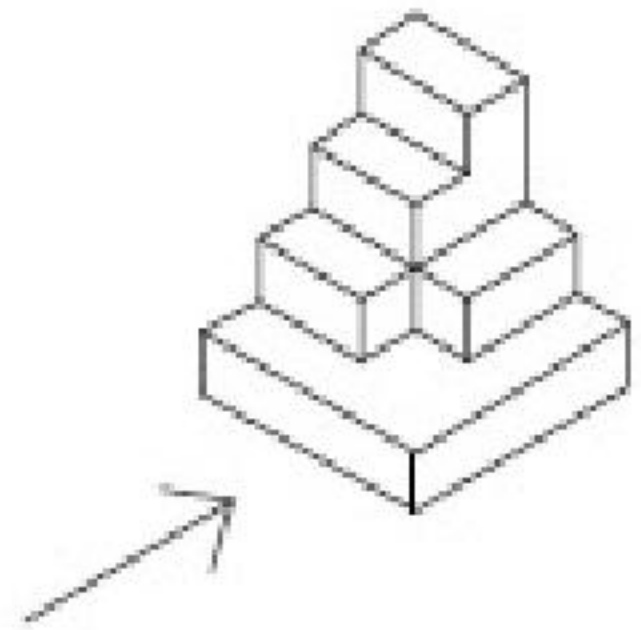


Options :

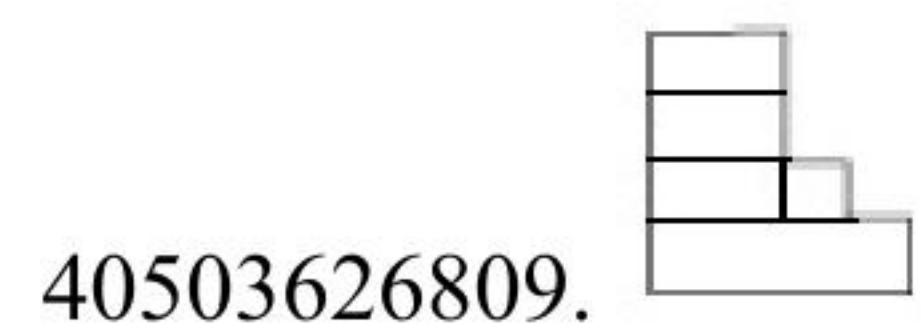
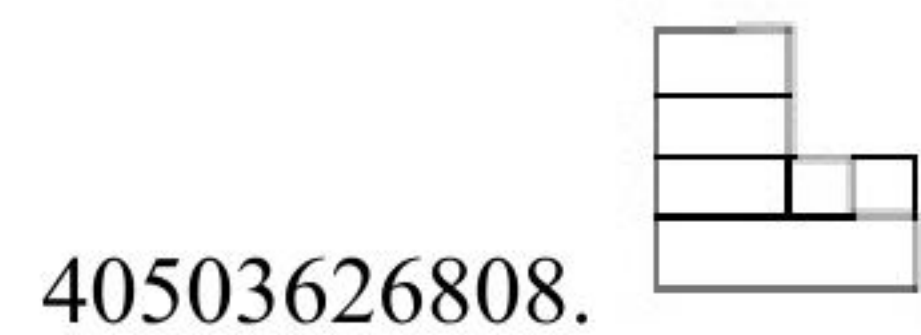
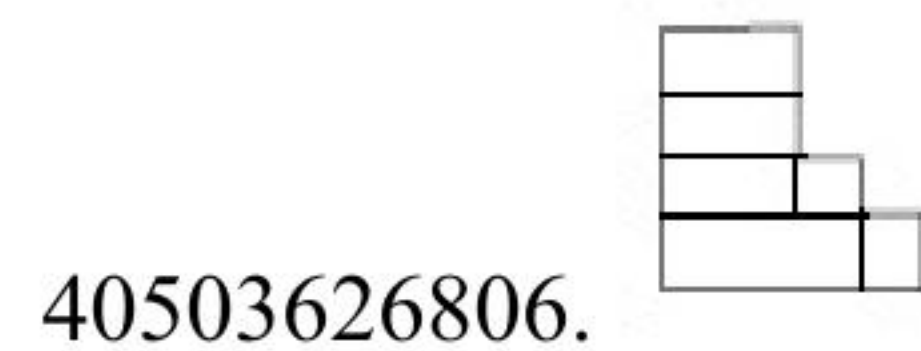


Question Number : 31 Question Id : 4050367342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

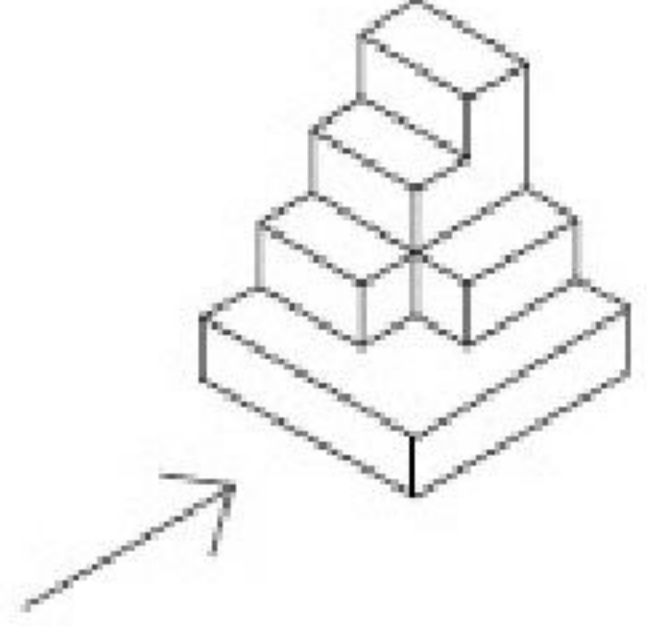


Options :



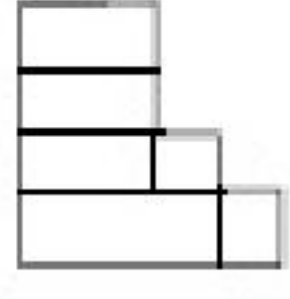
Question Number : 31 Question Id : 4050367342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

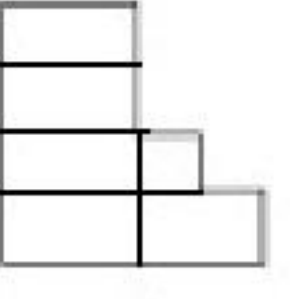


Options :

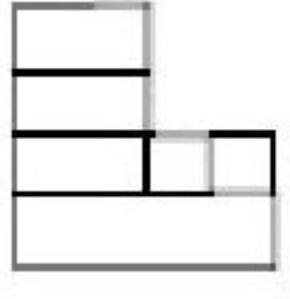
40503626806.



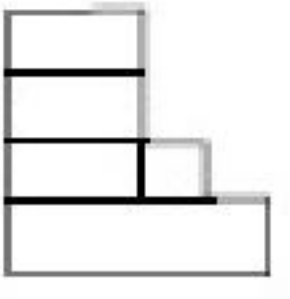
40503626807.



40503626808.

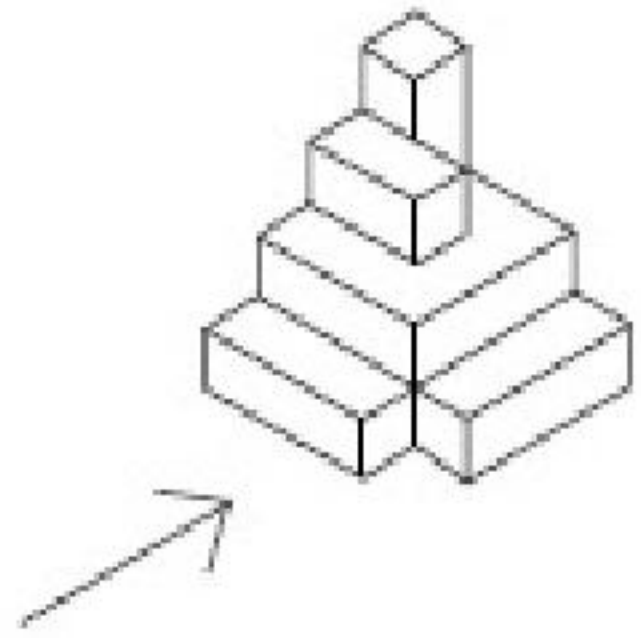


40503626809.

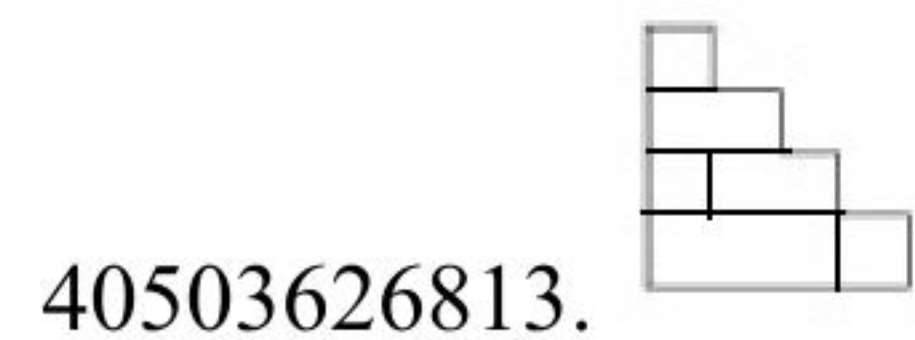
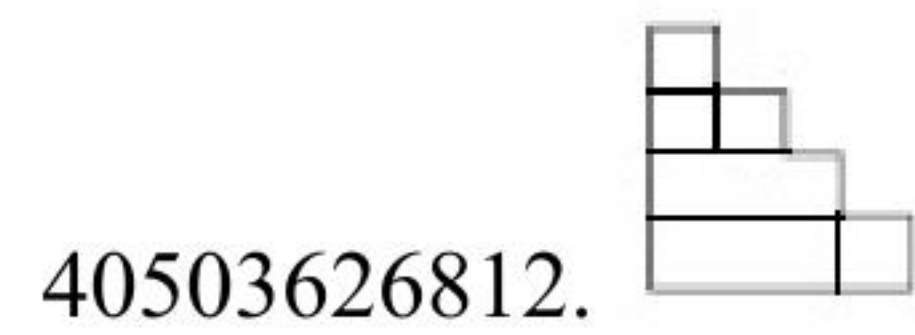
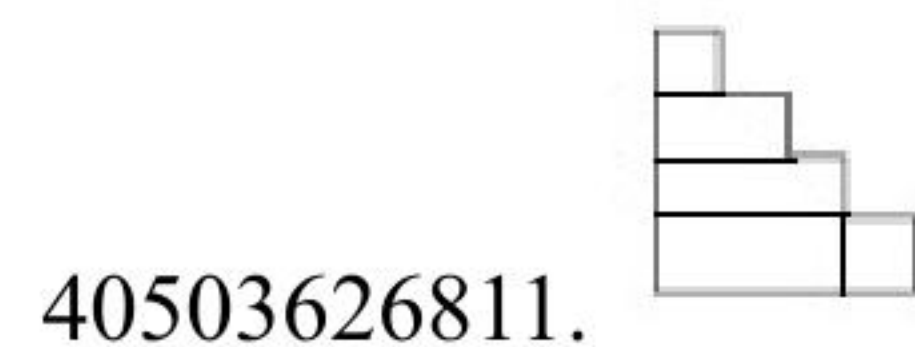
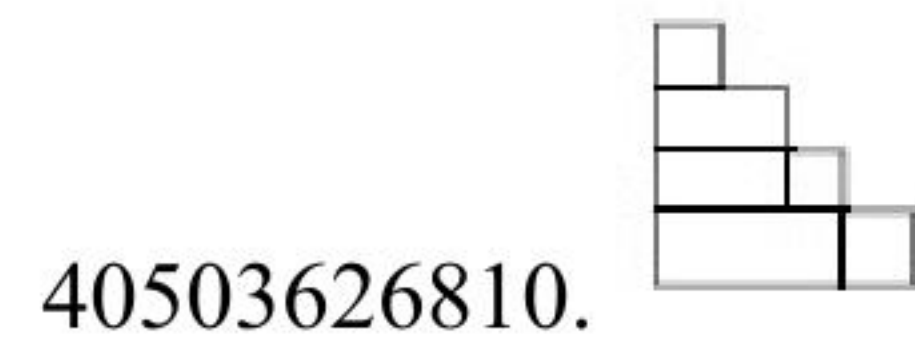


Question Number : 32 Question Id : 4050367343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

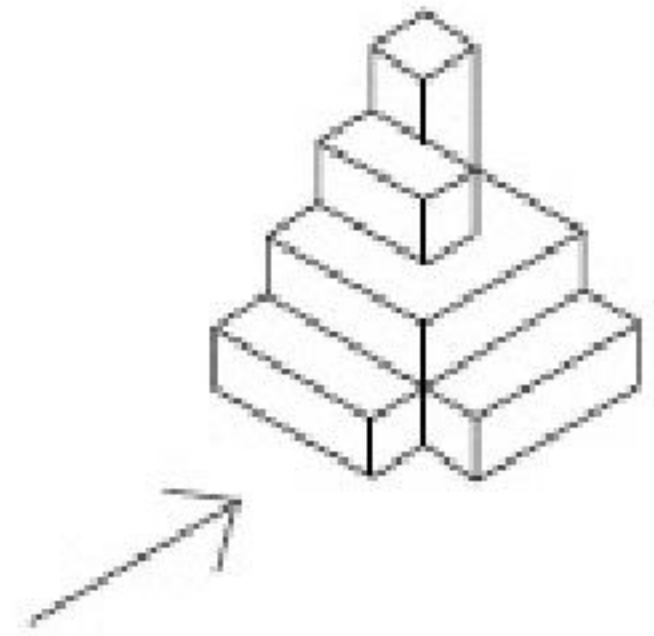


Options :

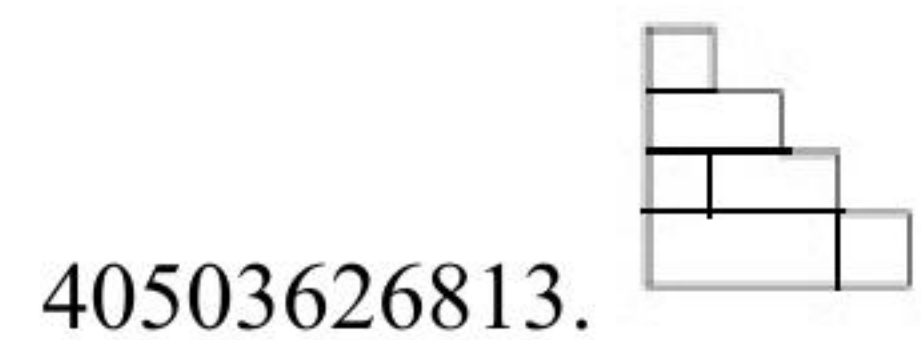
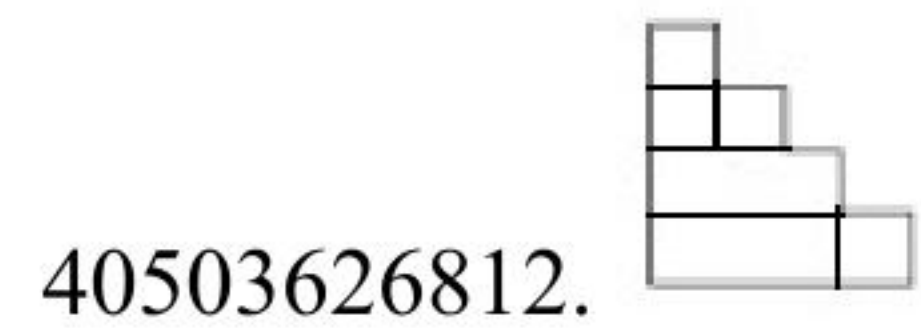
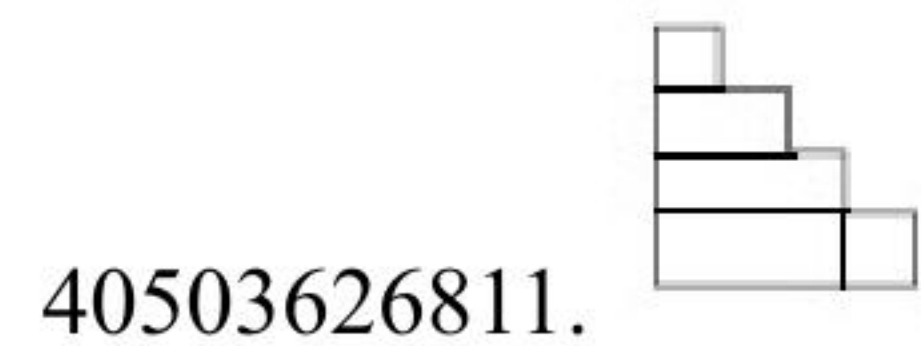
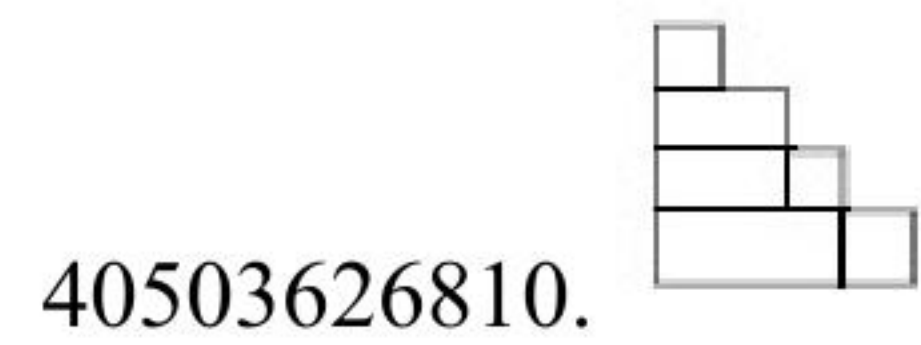


Question Number : 32 Question Id : 4050367343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
 Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
 Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

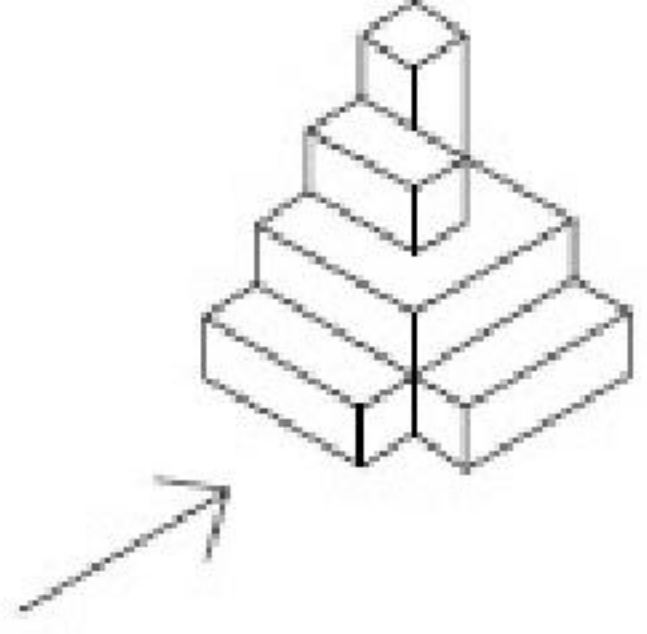


Options :

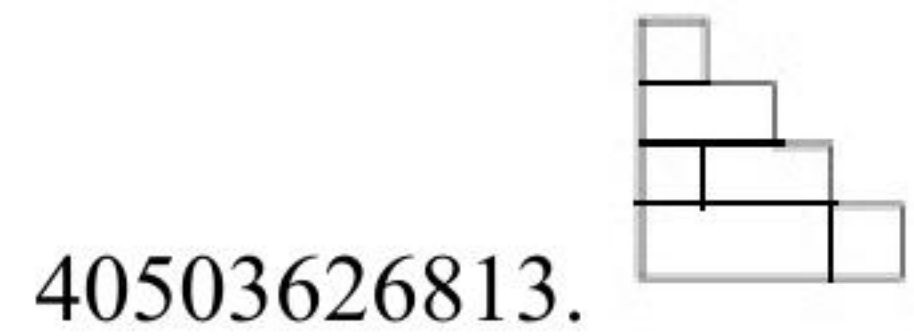
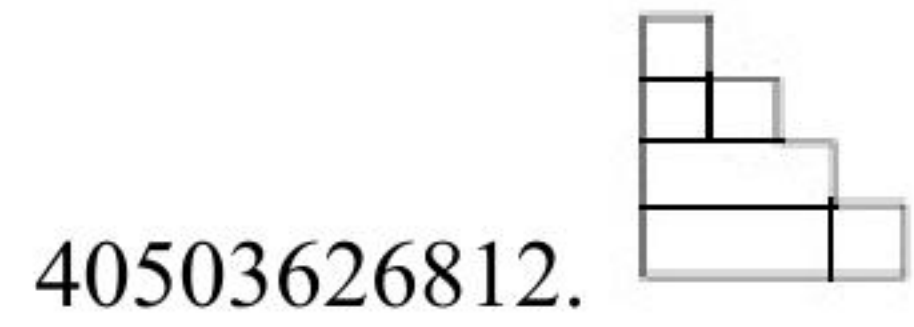
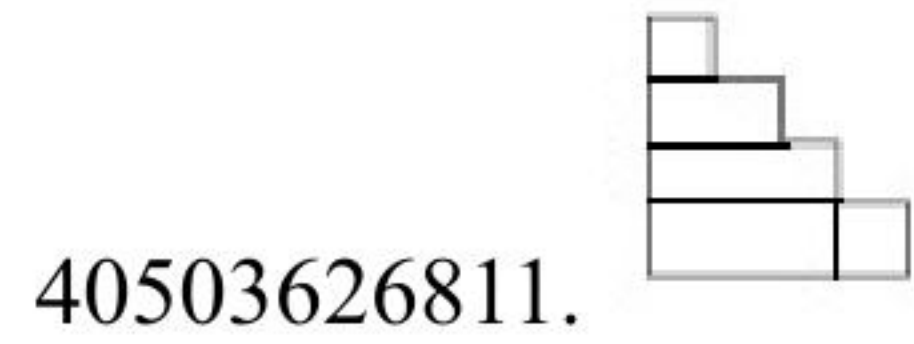
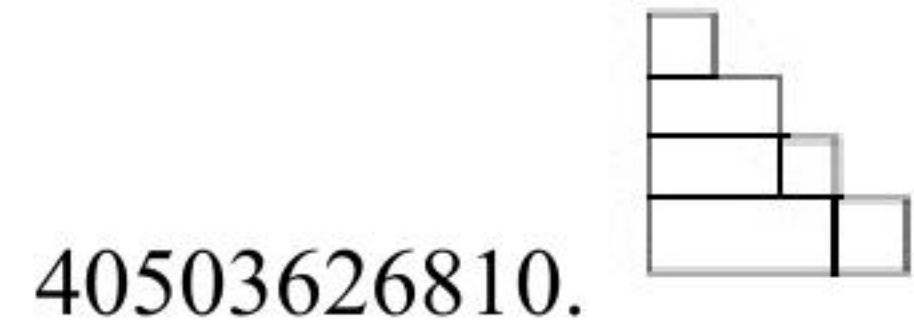


Question Number : 32 Question Id : 4050367343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

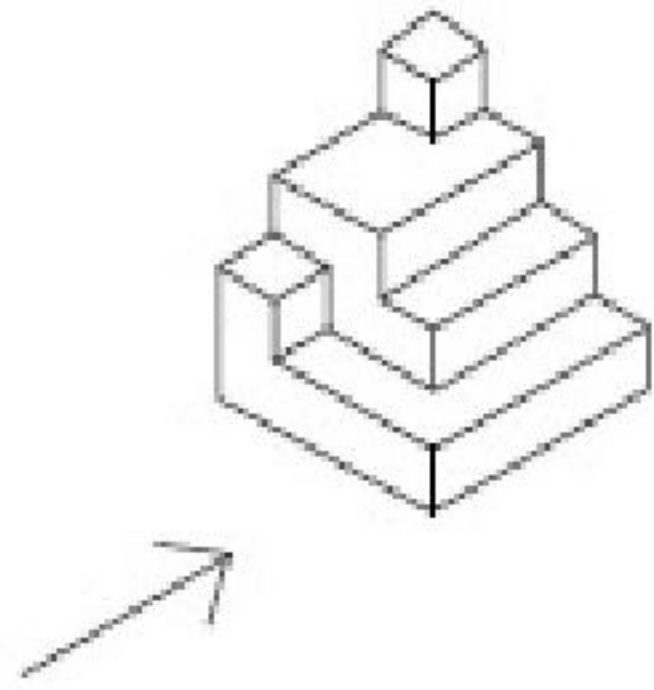


Options :

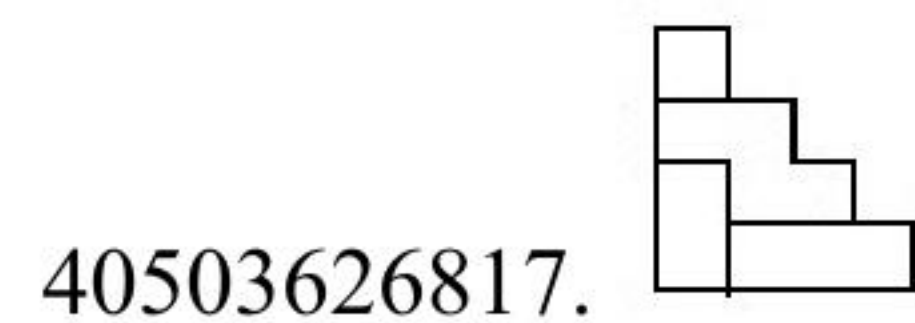
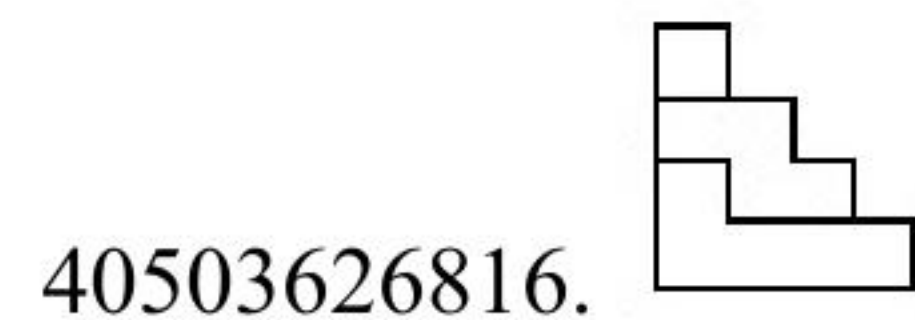
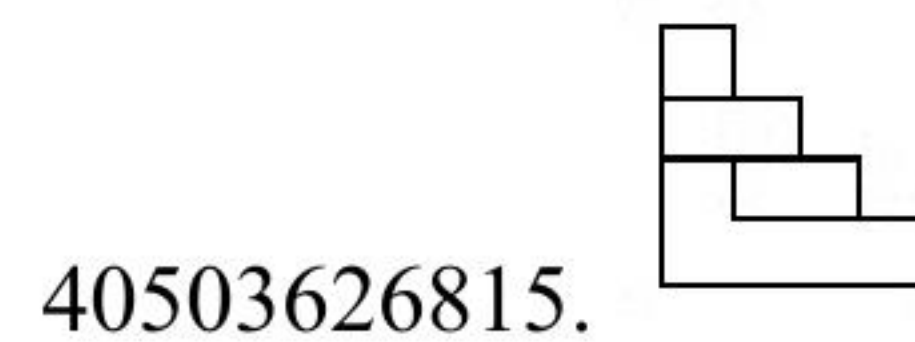
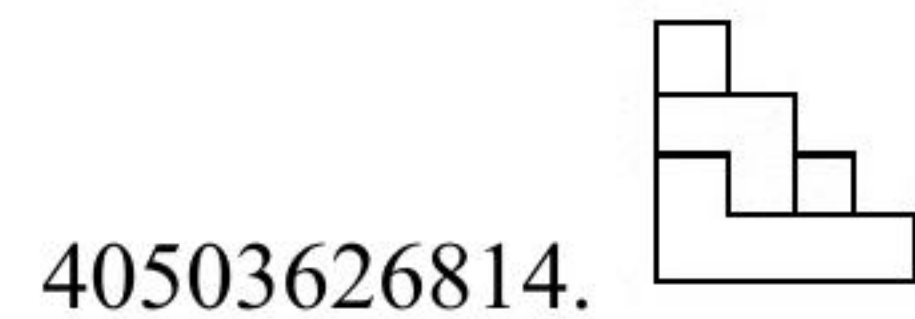


Question Number : 33 Question Id : 4050367344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

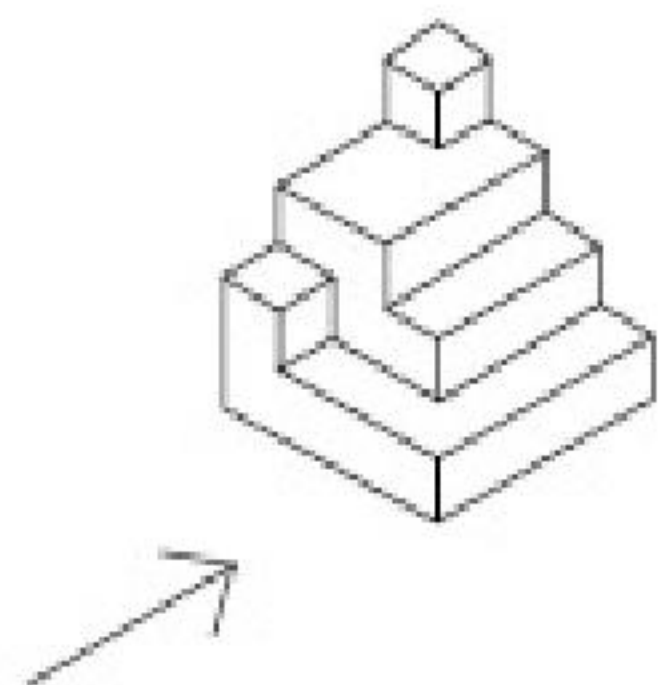


Options :

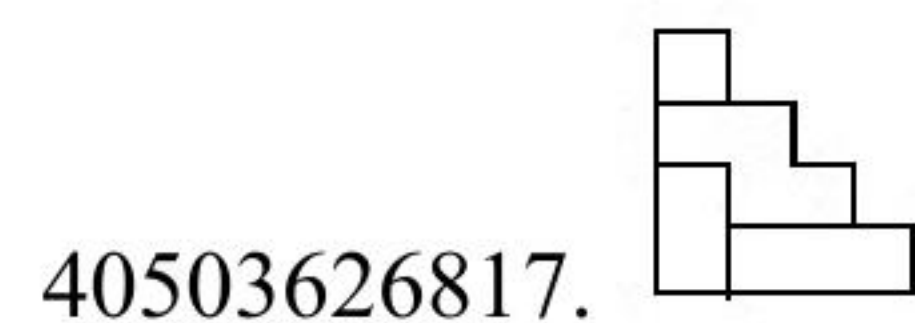
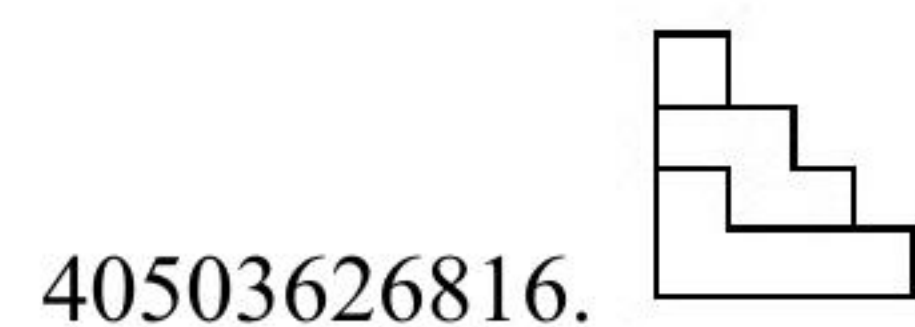
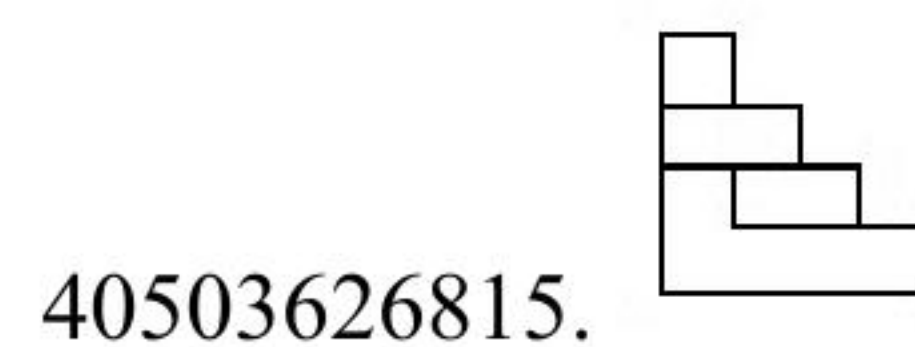
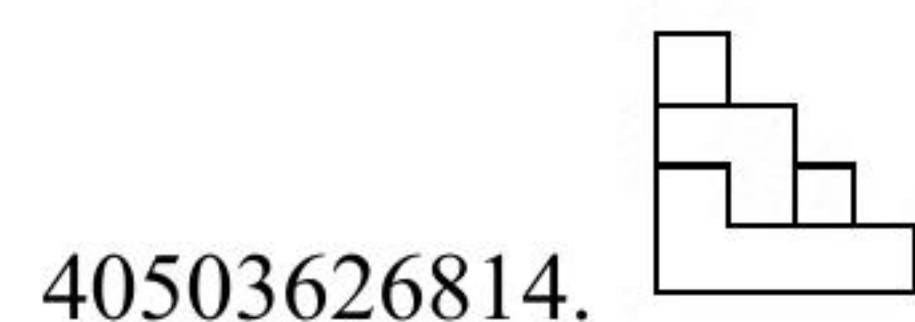


Question Number : 33 Question Id : 4050367344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
 Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
 Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

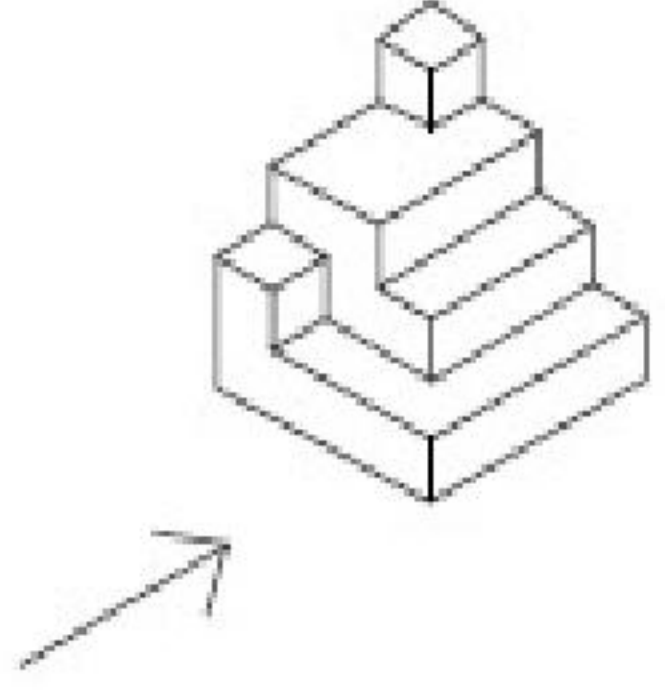


Options :

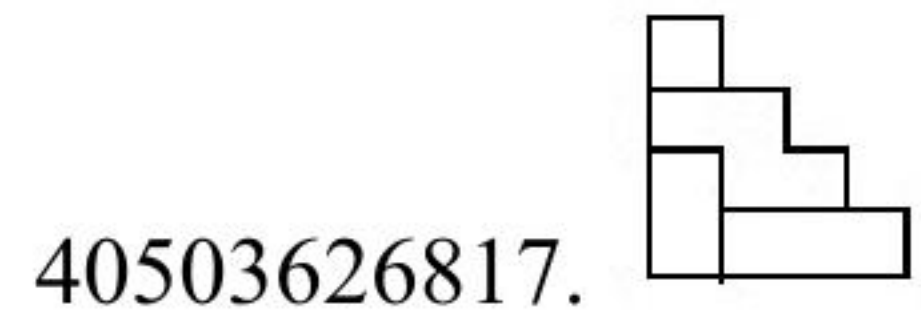
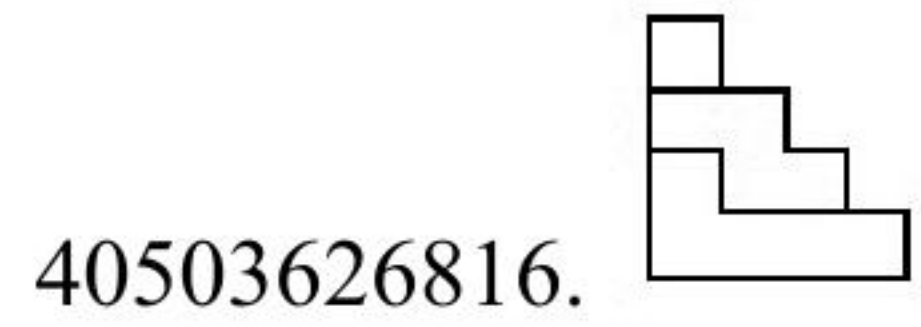
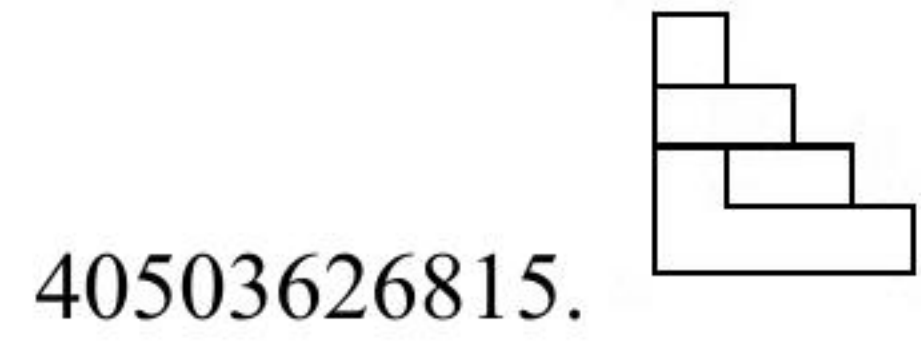
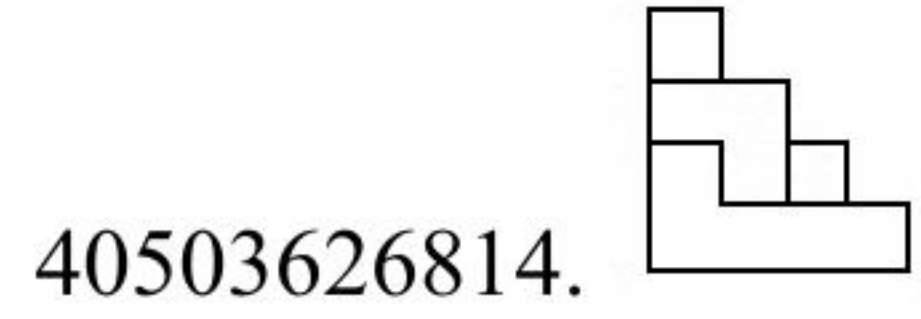


Question Number : 33 Question Id : 4050367344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D પ્રસ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. તીરની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

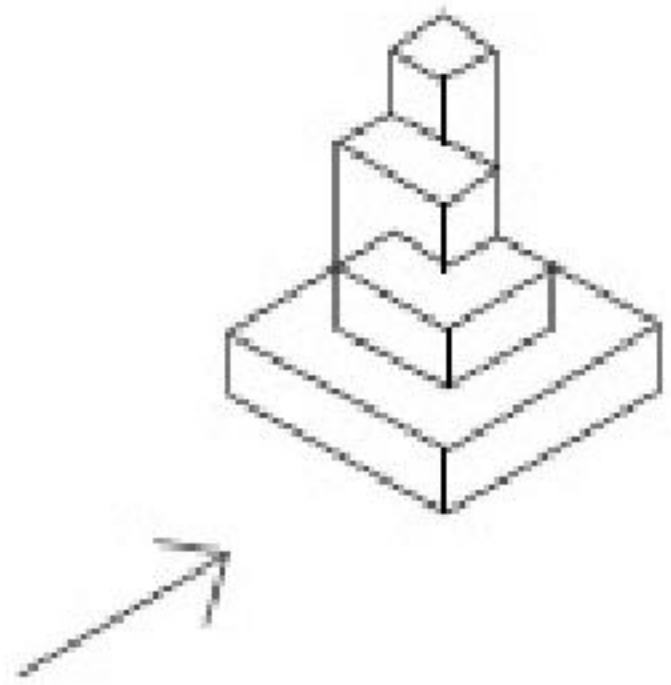


Options :



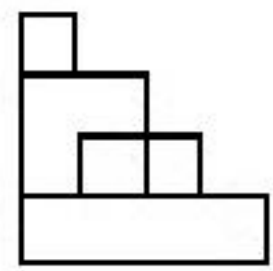
Question Number : 34 Question Id : 4050367345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

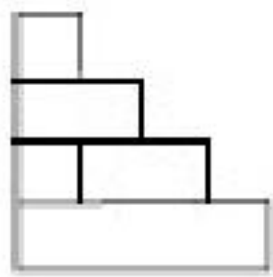


Options :

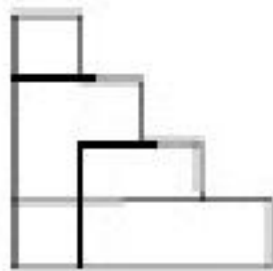
40503626818.



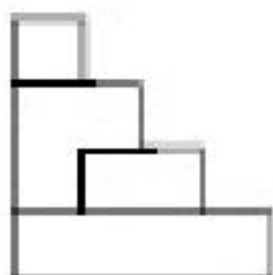
40503626819.



40503626820.

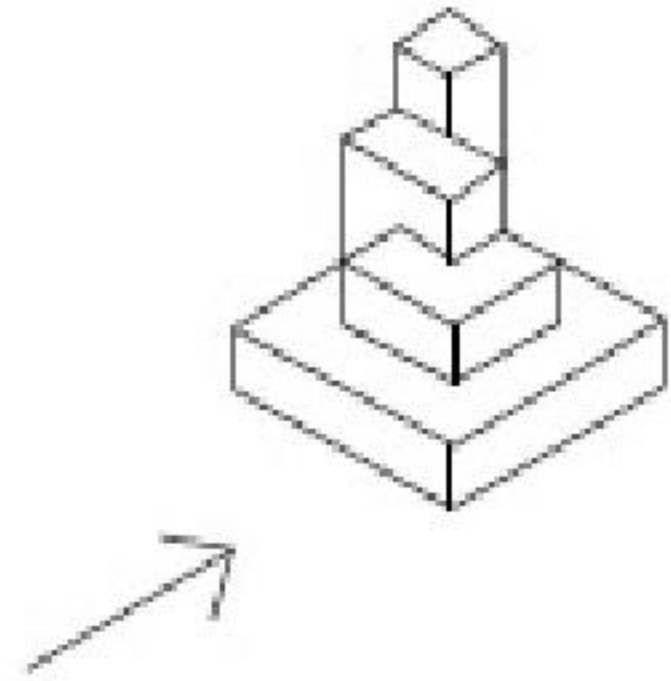


40503626821.

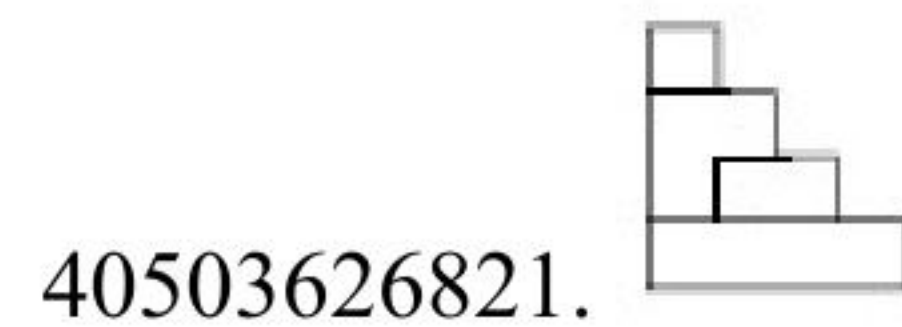
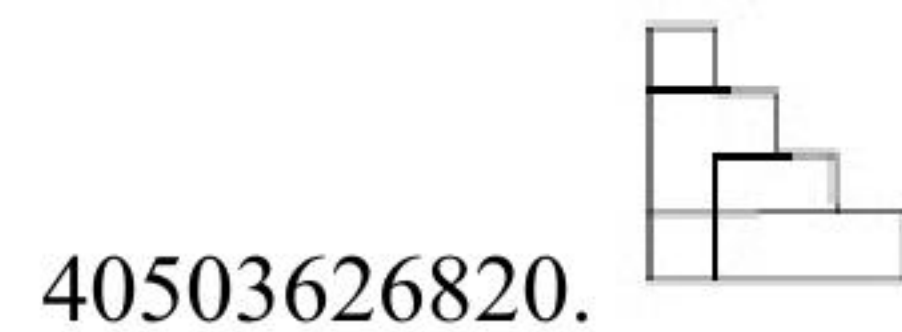
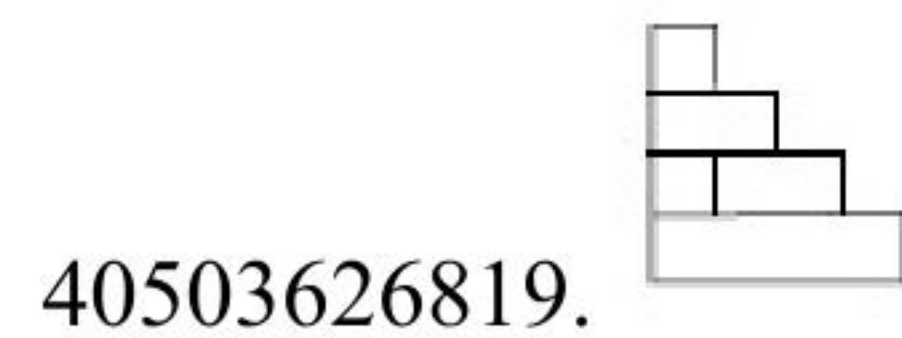
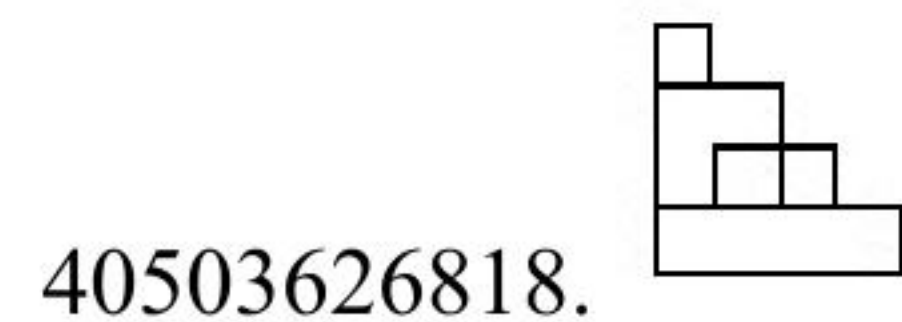


Question Number : 34 Question Id : 4050367345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

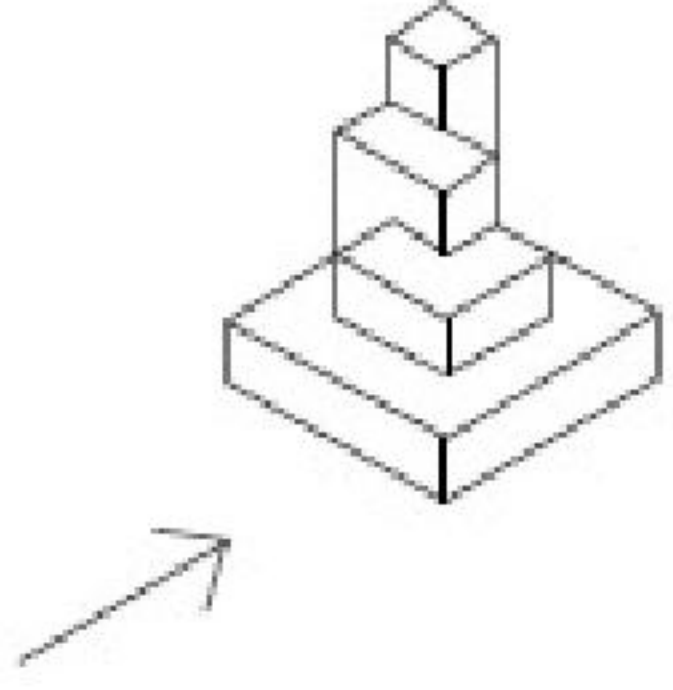


Options :

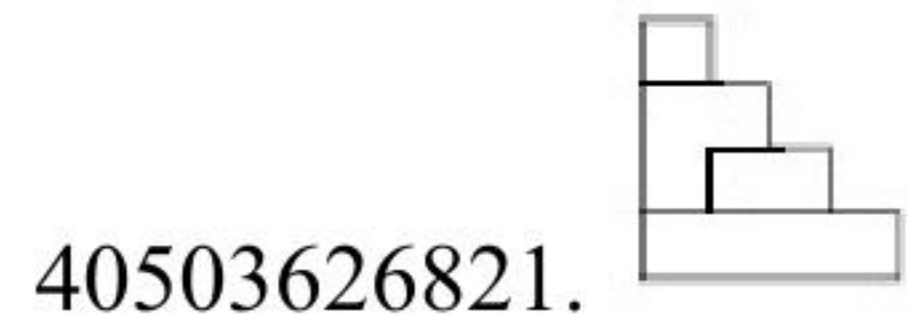
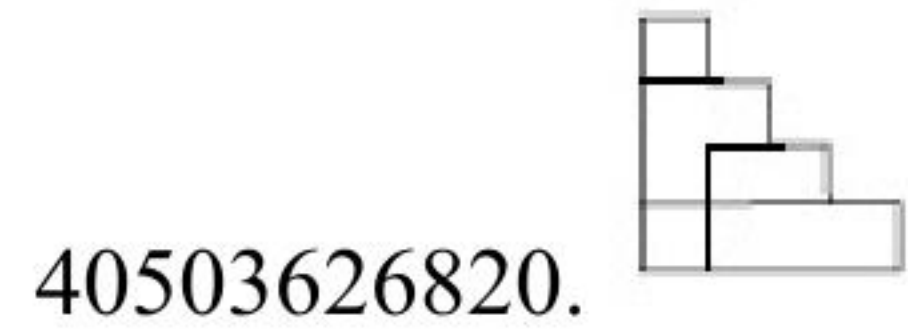
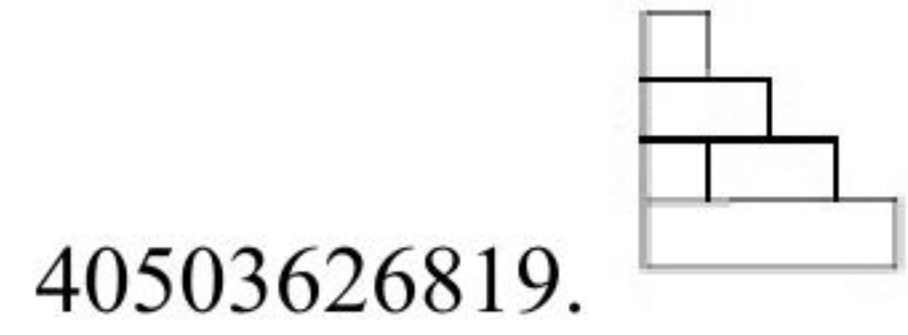
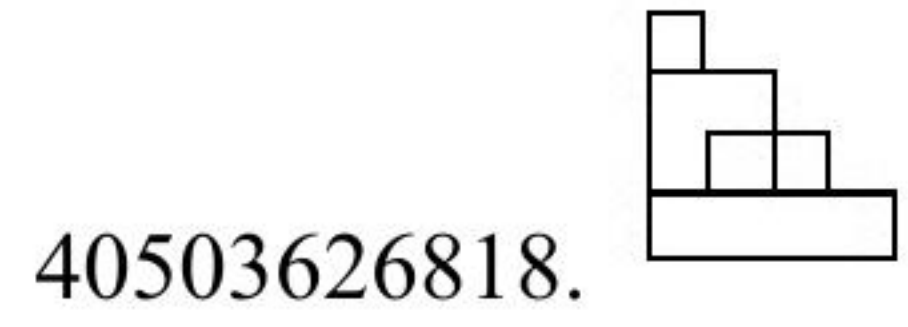


Question Number : 34 Question Id : 4050367345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દૃશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી શોધો.

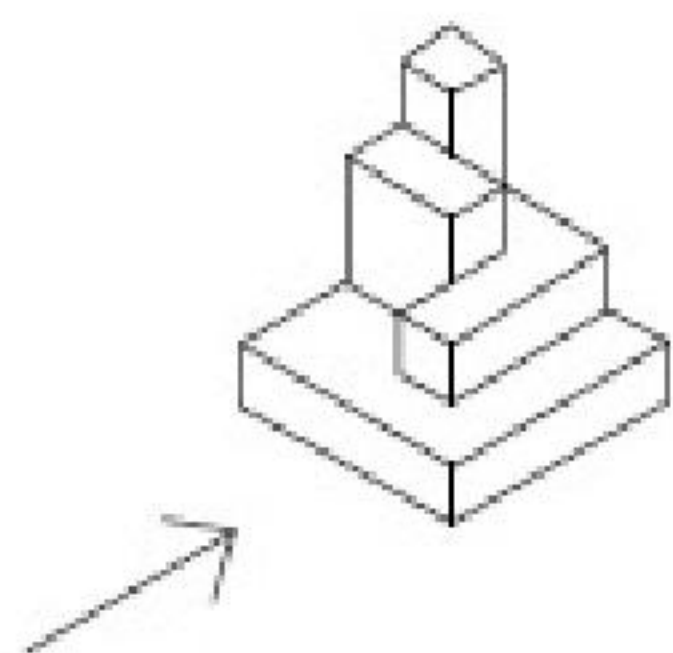


Options :

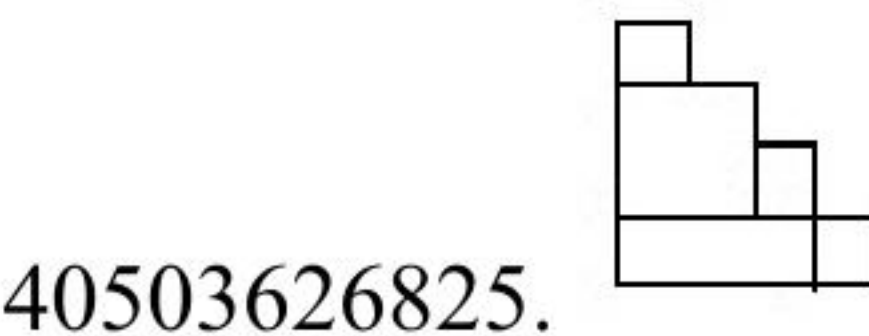
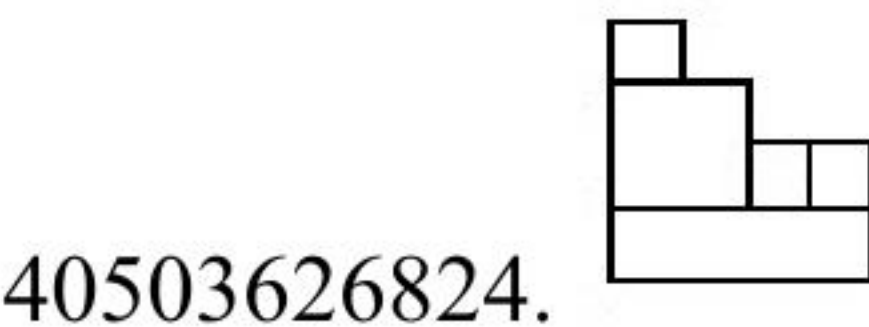
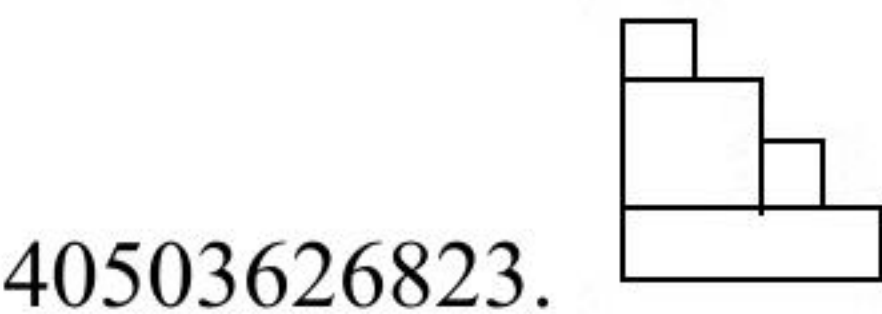
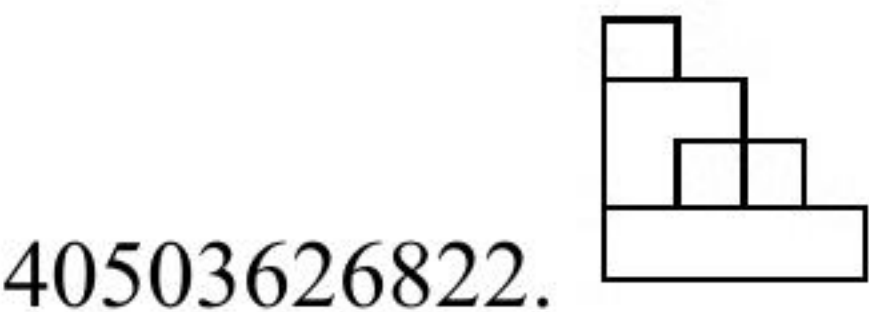


Question Number : 35 Question Id : 4050367346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 – D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

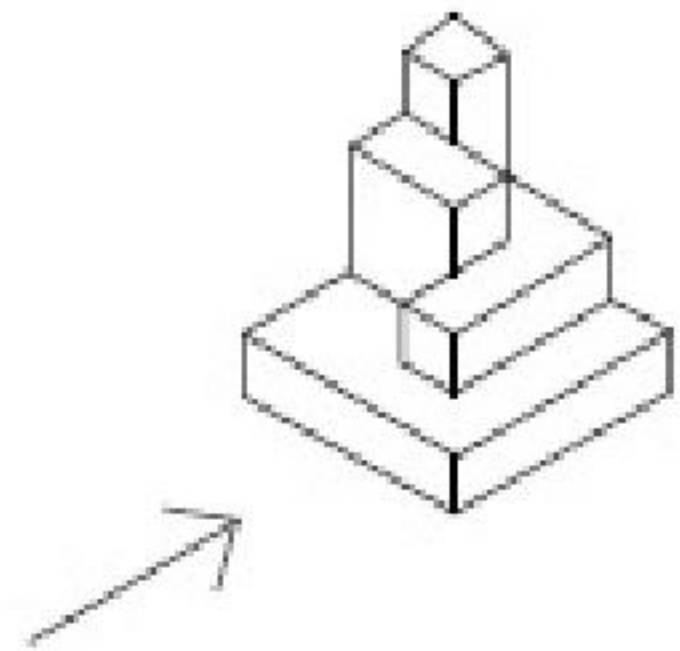


Options :

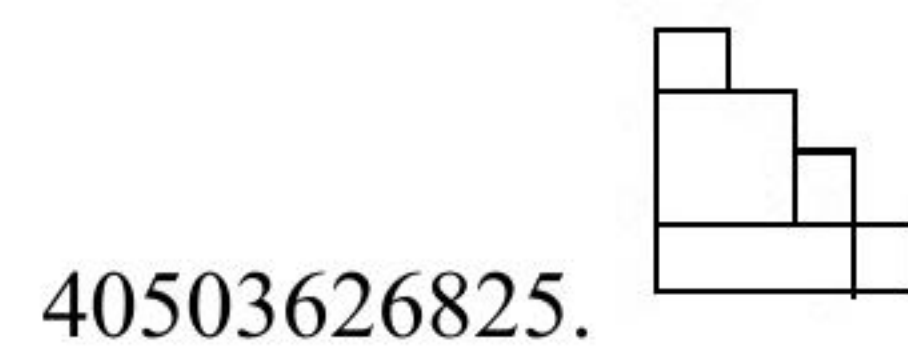
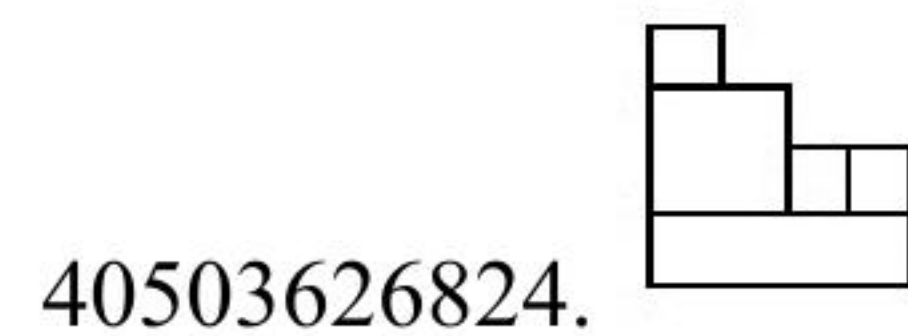
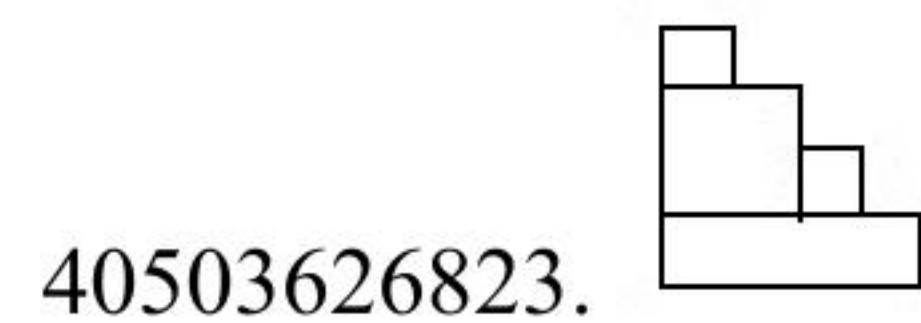
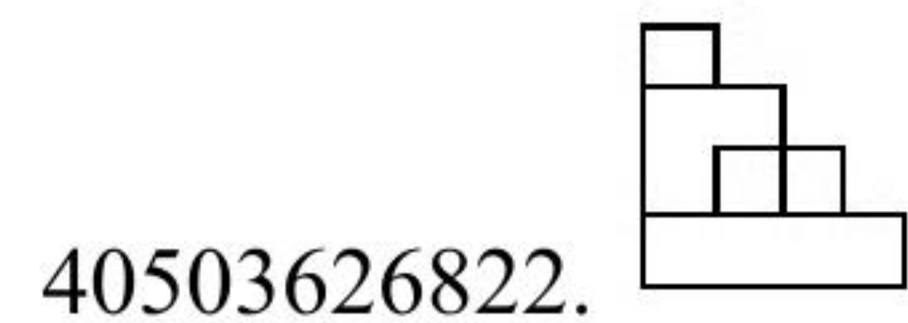


Question Number : 35 Question Id : 4050367346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

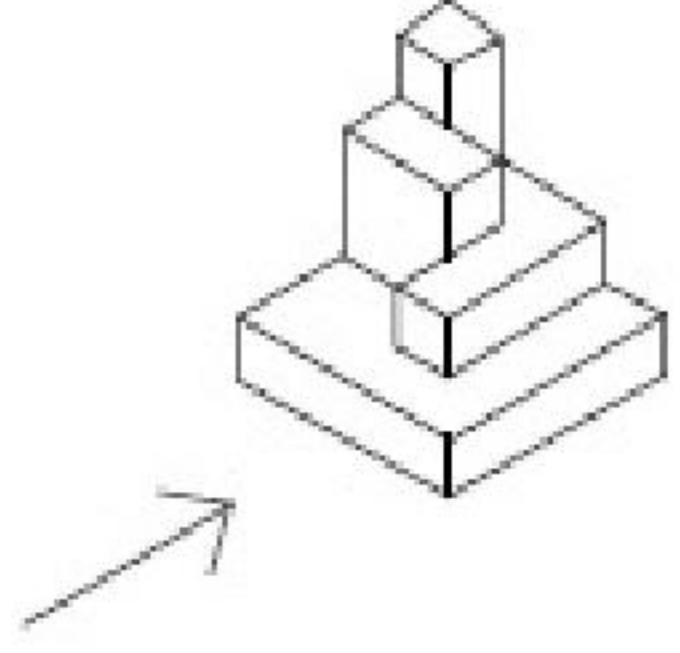


Options :

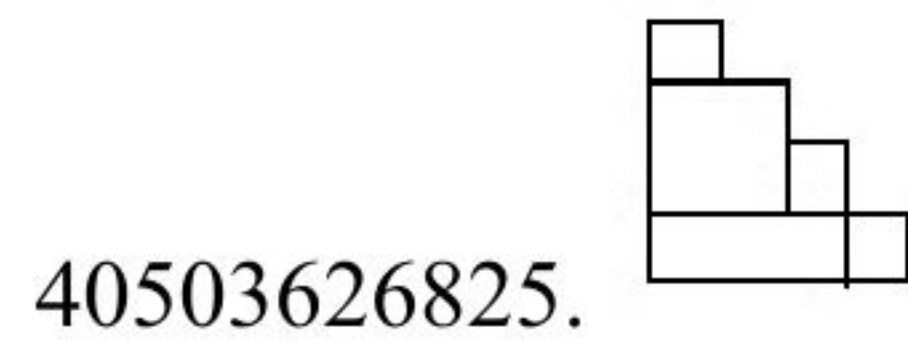
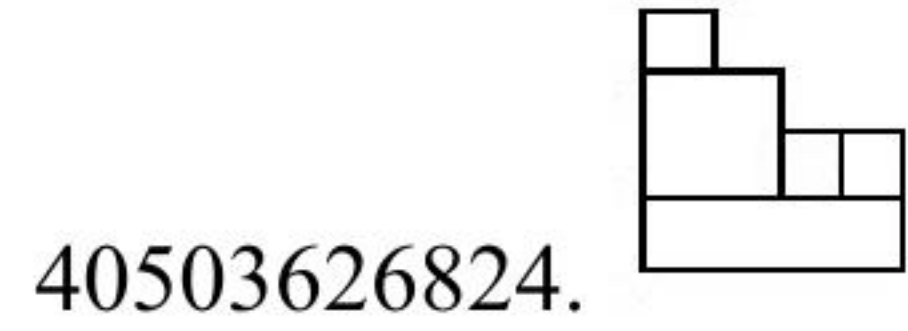
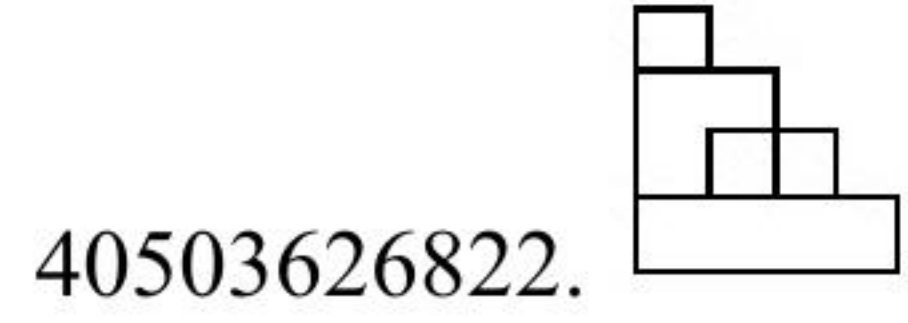


Question Number : 35 Question Id : 4050367346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

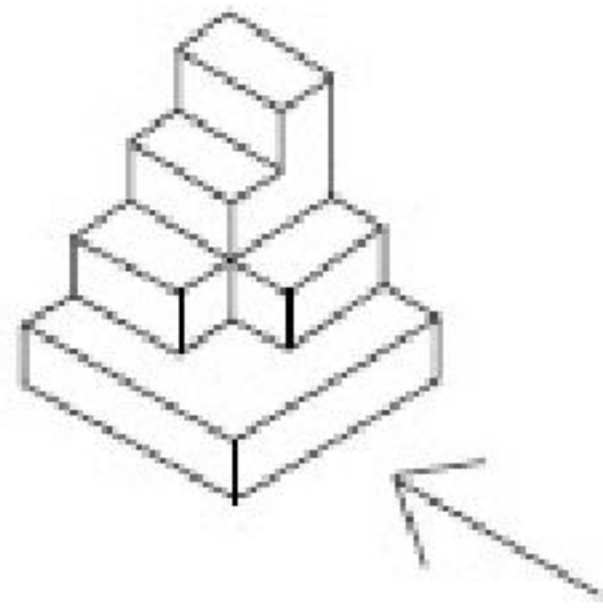


Options :

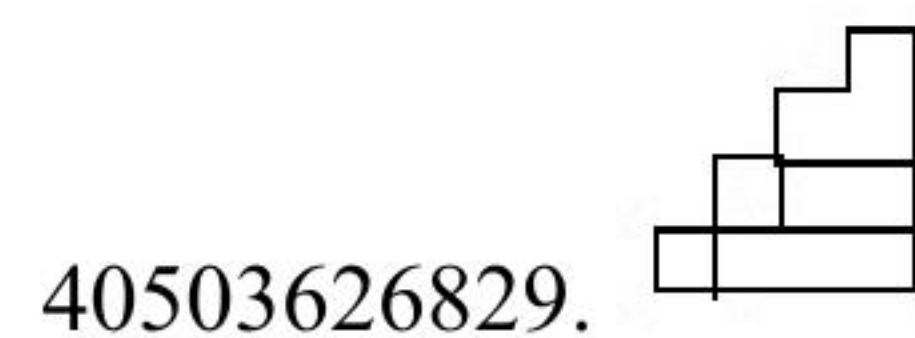
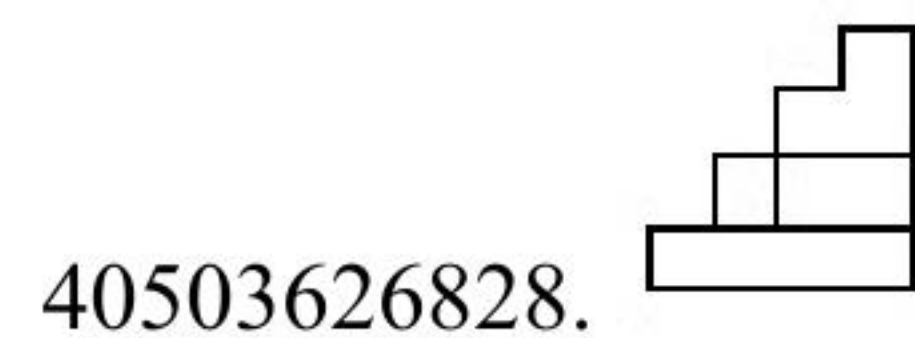
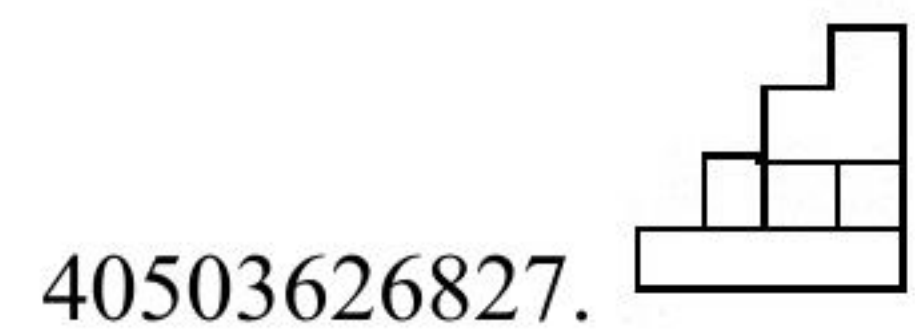
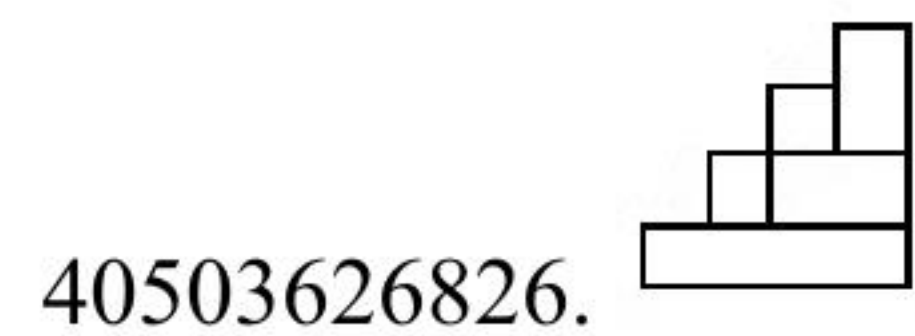


Question Number : 36 Question Id : 4050367347 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

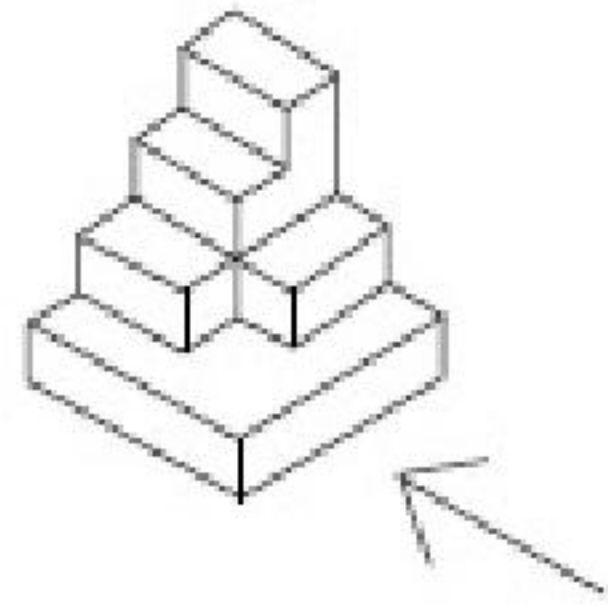


Options :

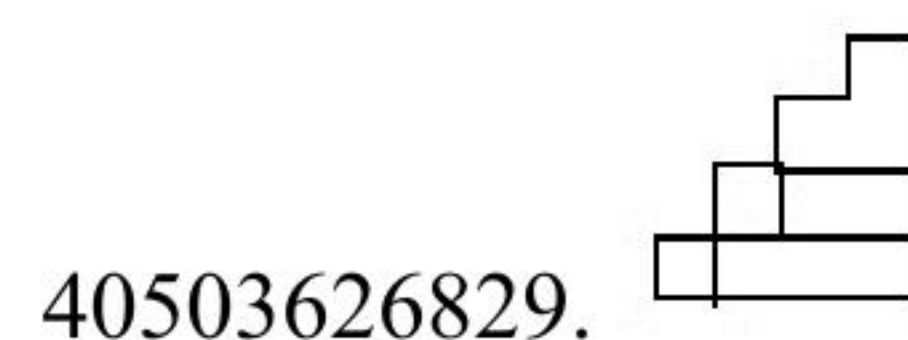
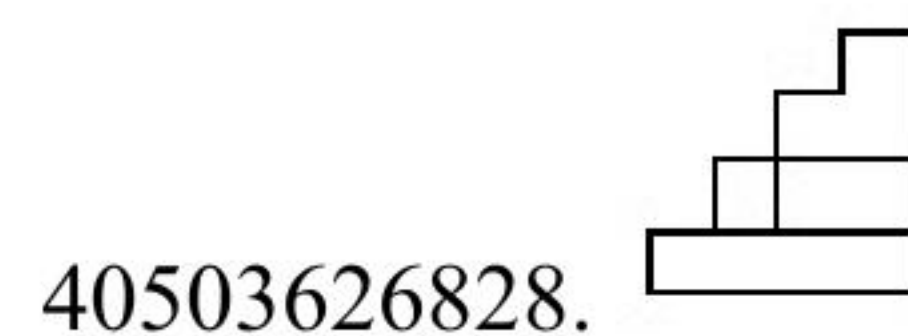
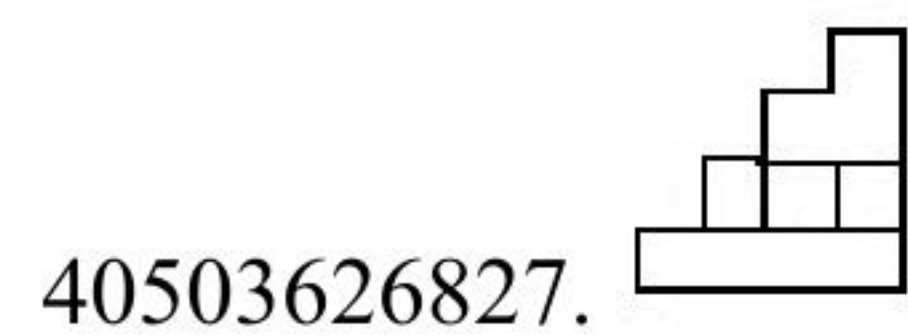
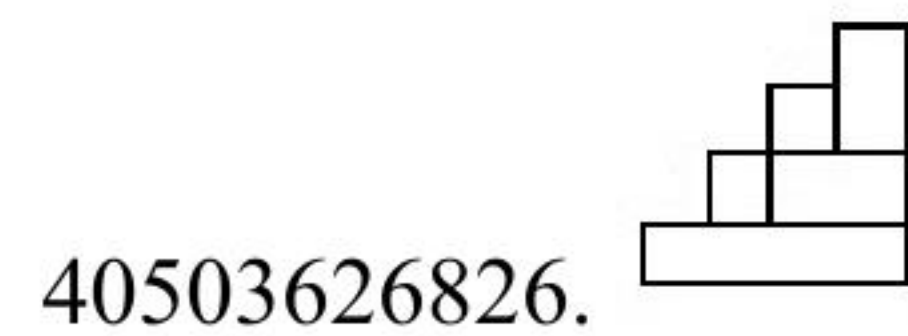


Question Number : 36 Question Id : 4050367347 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
 Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
 Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

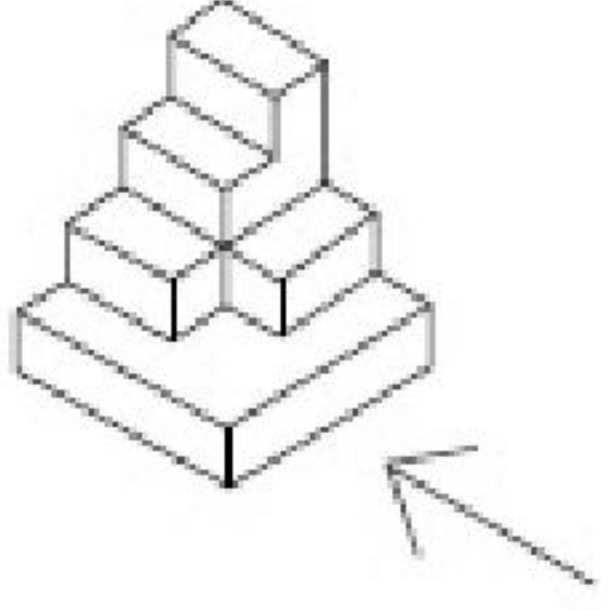


Options :

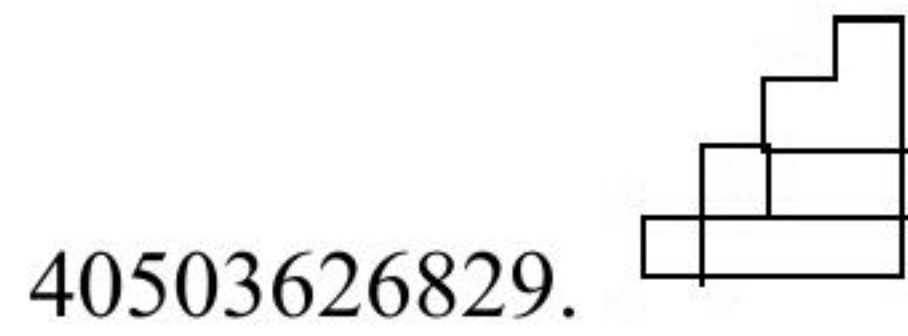
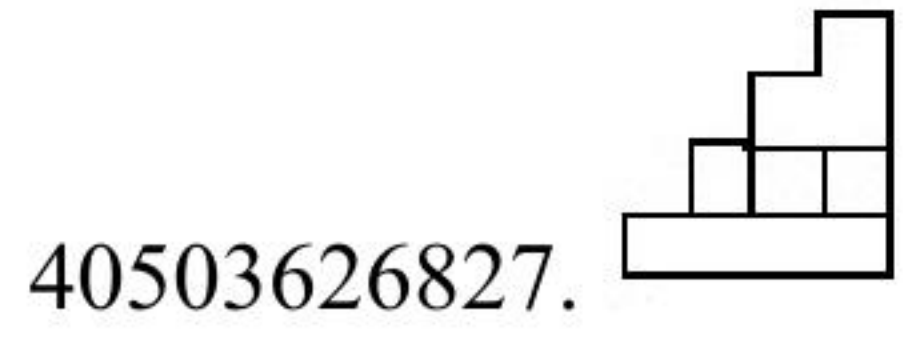
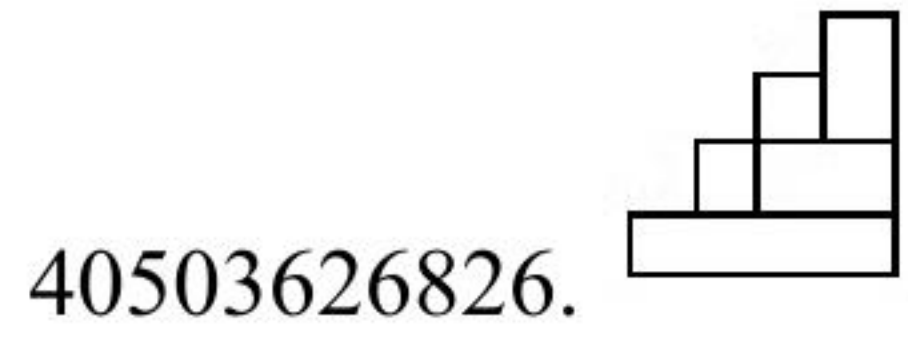


Question Number : 36 Question Id : 4050367347 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

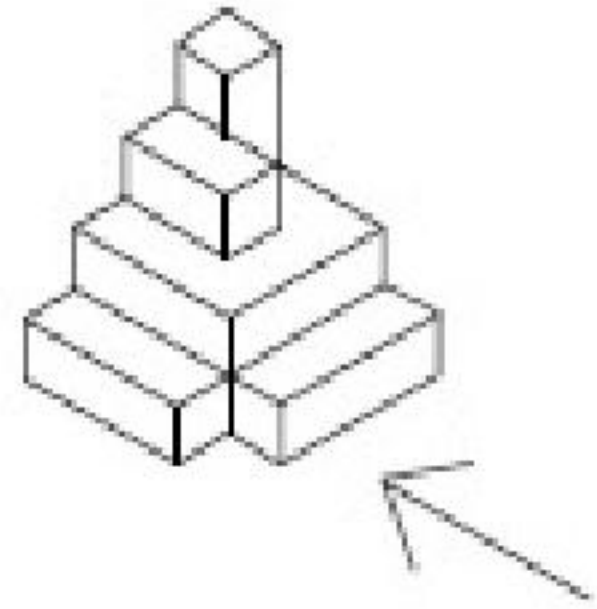


Options :

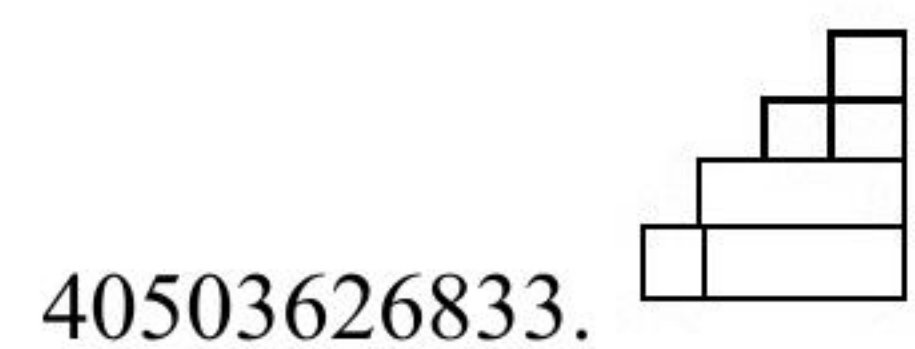
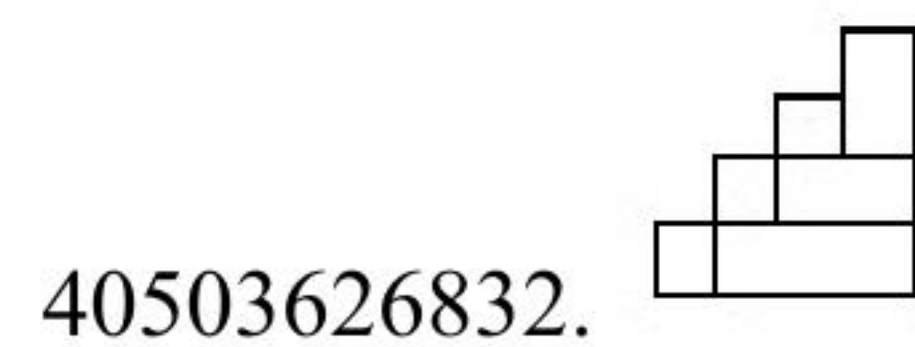
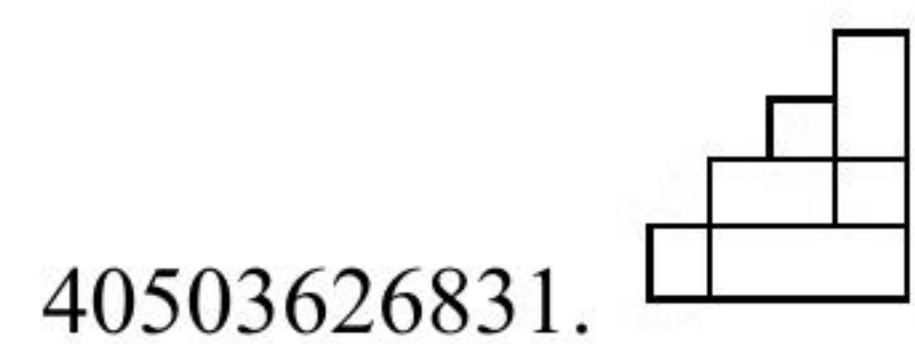
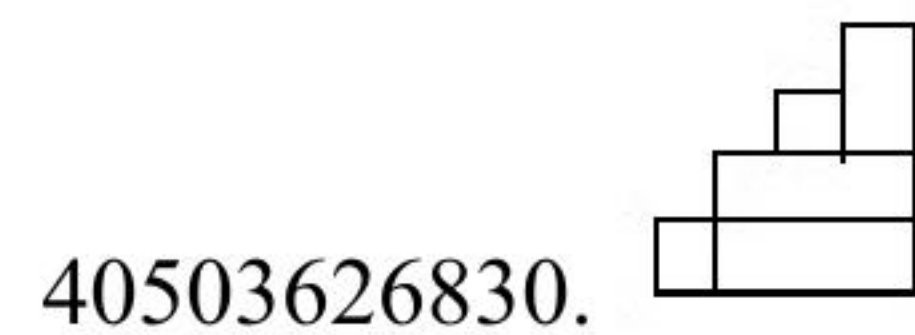


Question Number : 37 Question Id : 4050367348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

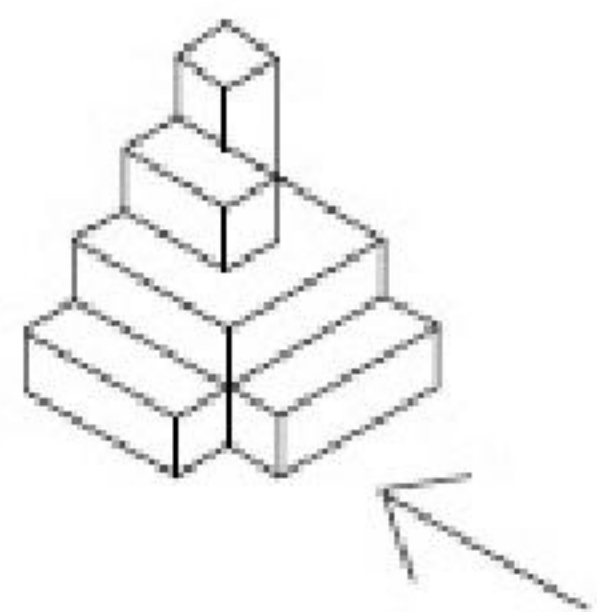


Options :

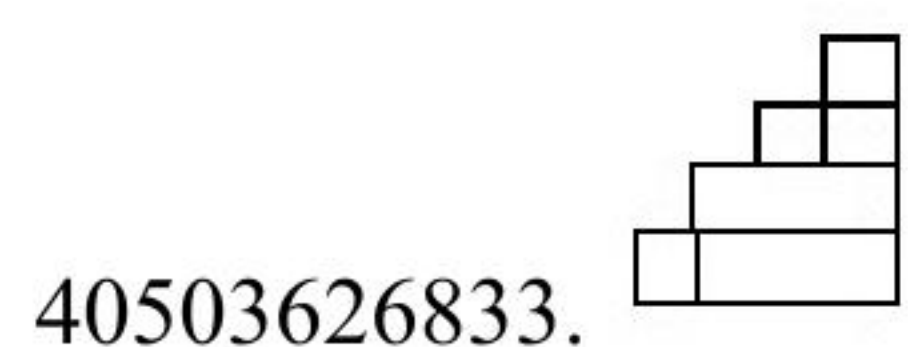
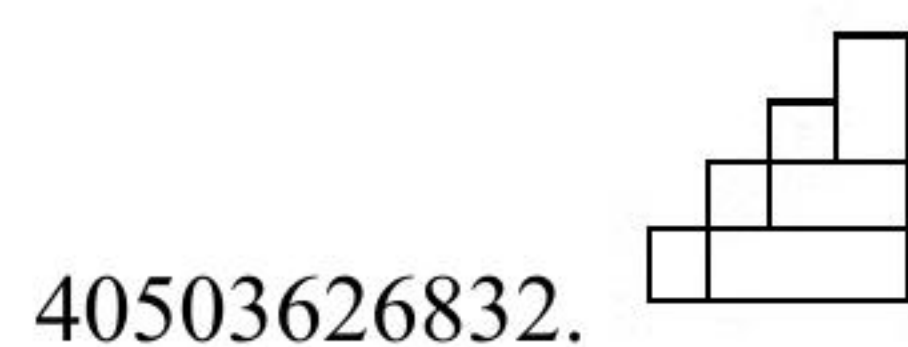
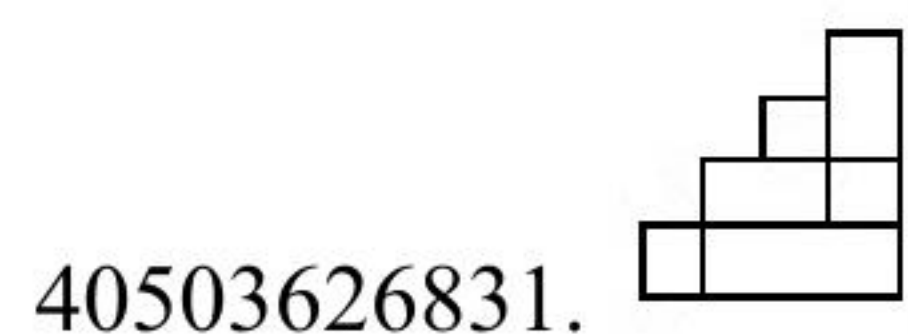
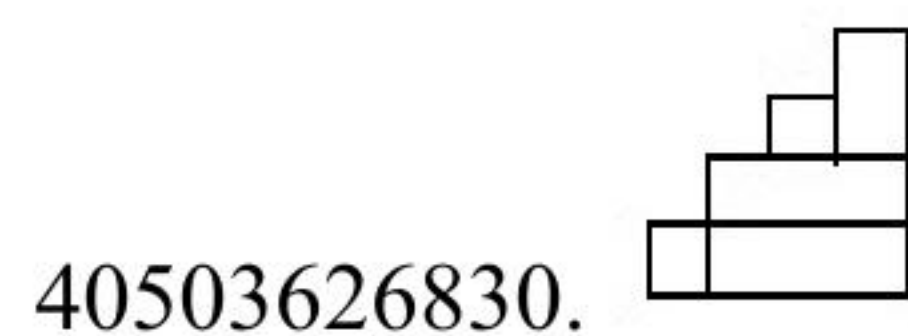


Question Number : 37 Question Id : 4050367348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

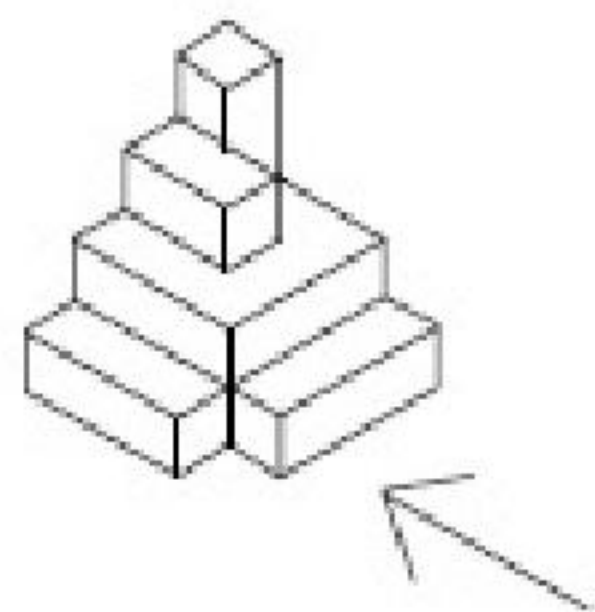


Options :

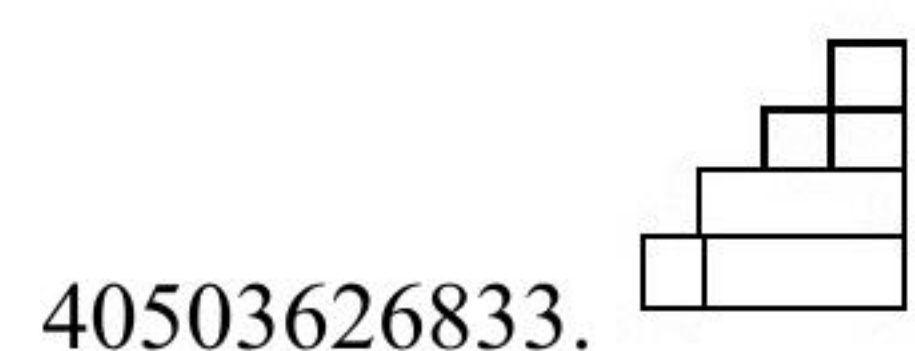
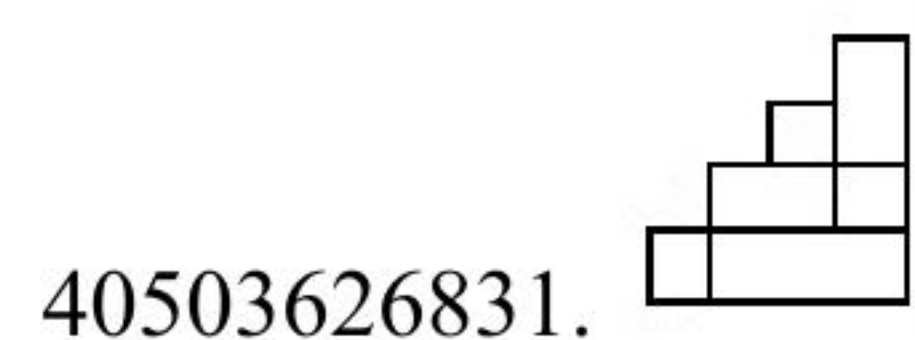
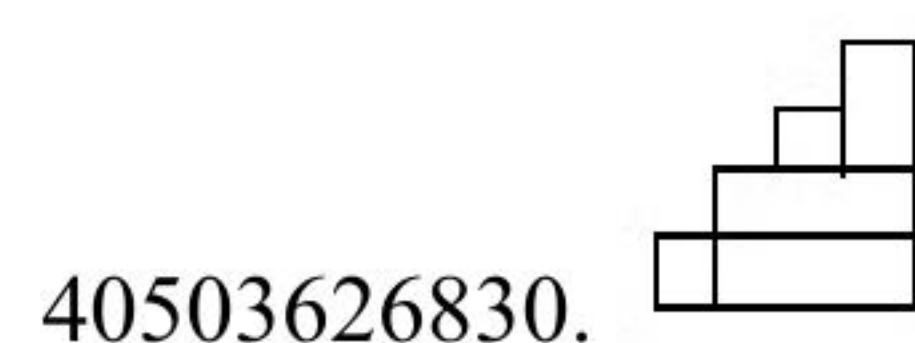


Question Number : 37 Question Id : 4050367348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દૃશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી શોધો.

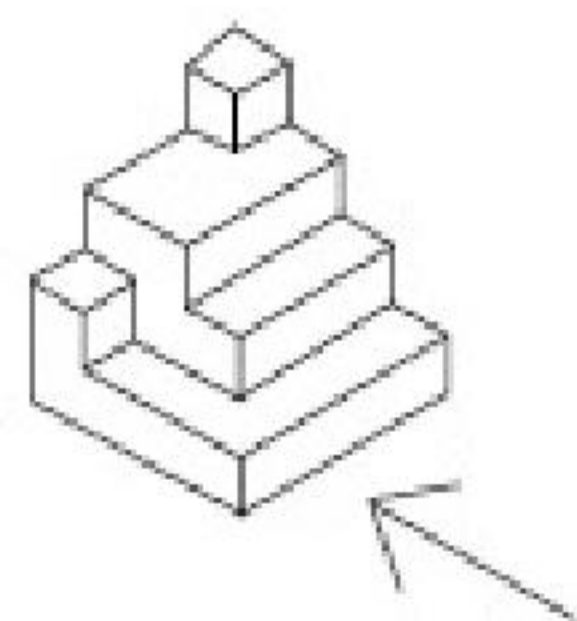


Options :

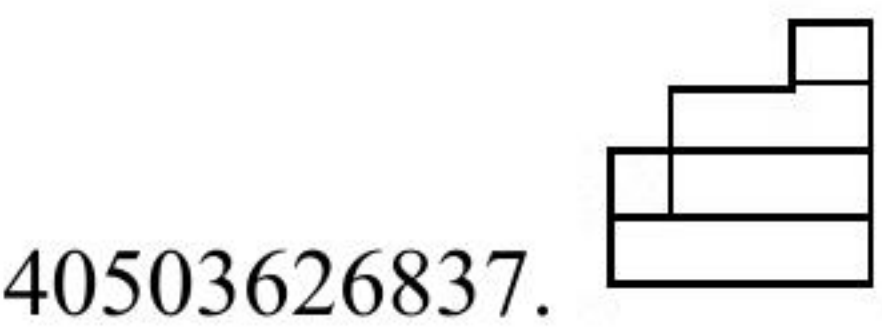
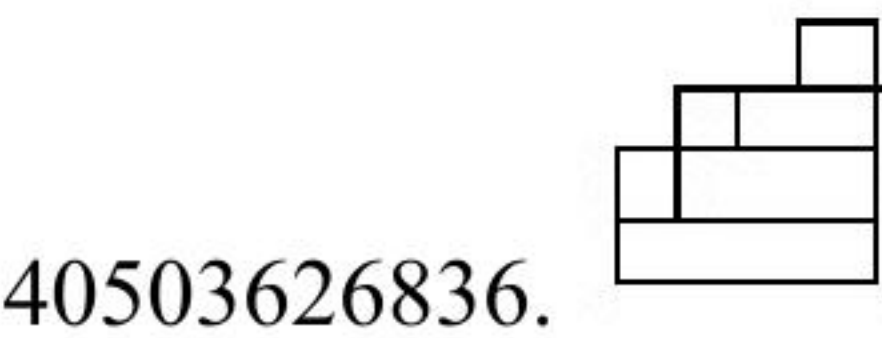
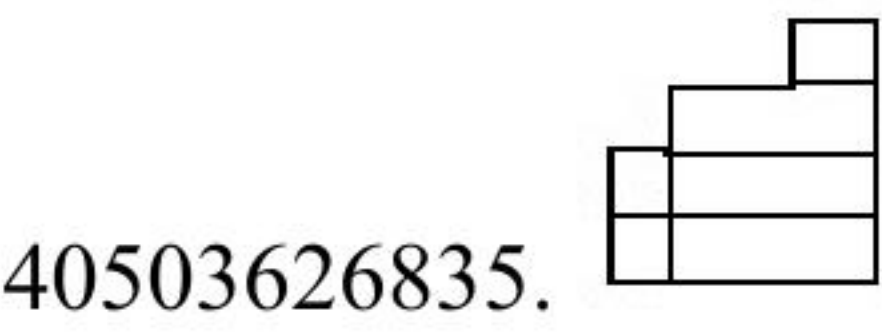
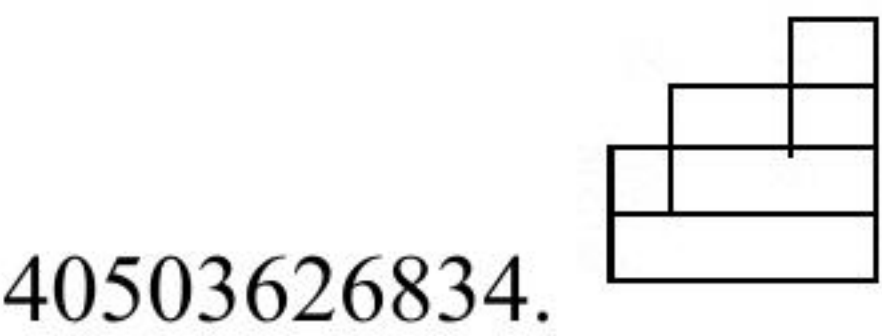


Question Number : 38 Question Id : 4050367349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

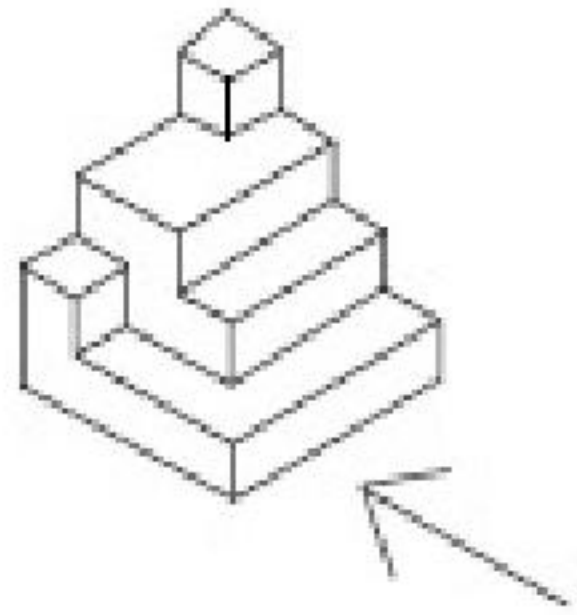


Options :

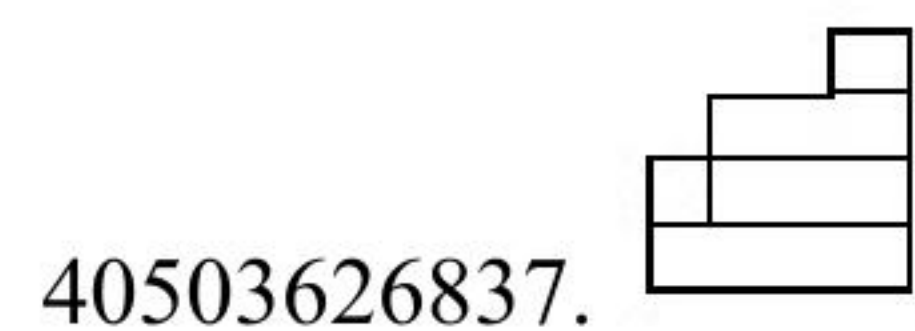
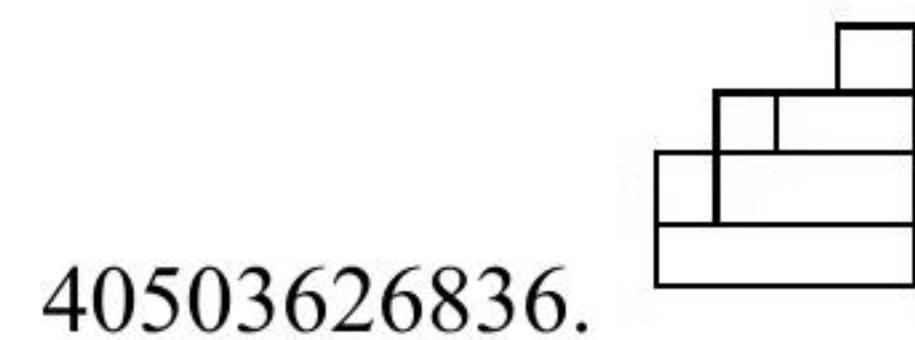
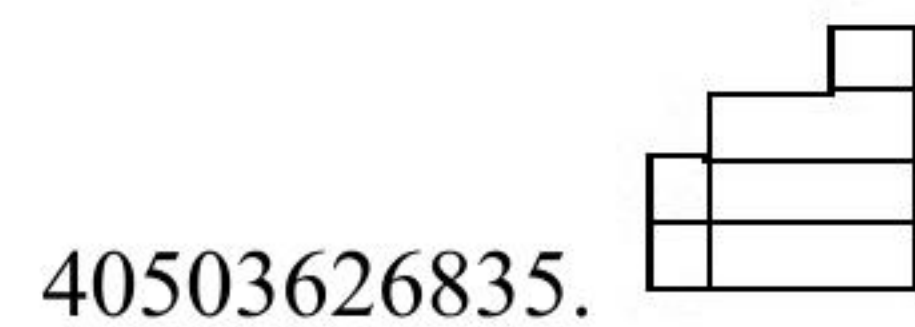
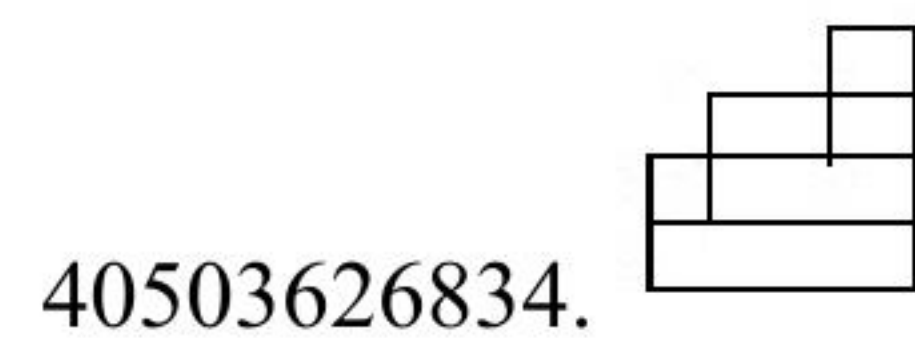


Question Number : 38 Question Id : 4050367349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

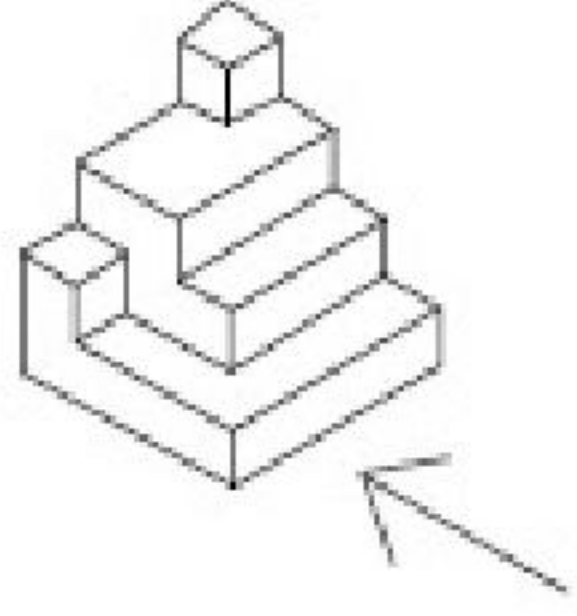


Options :

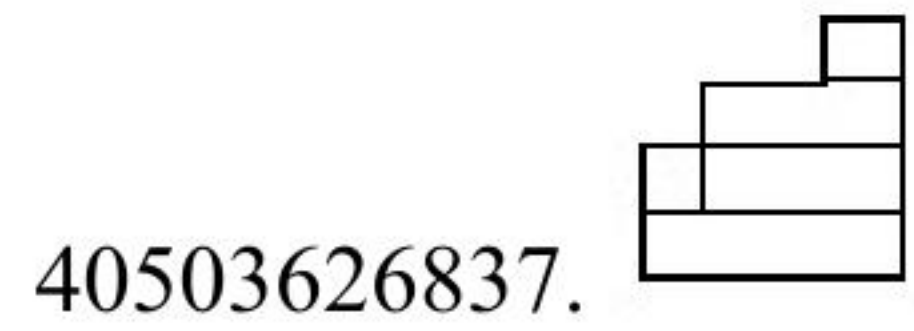
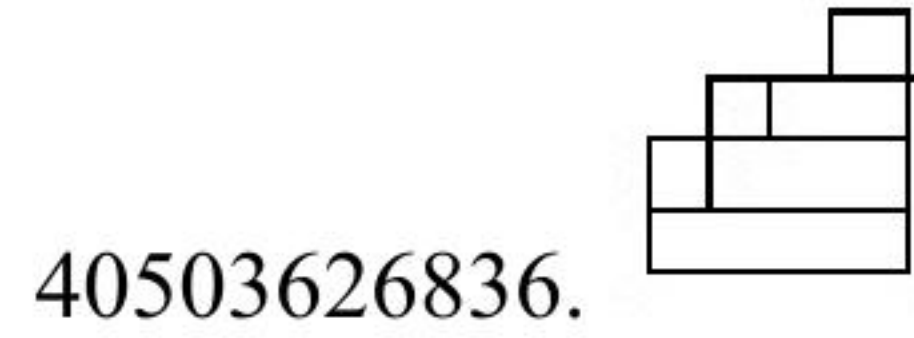
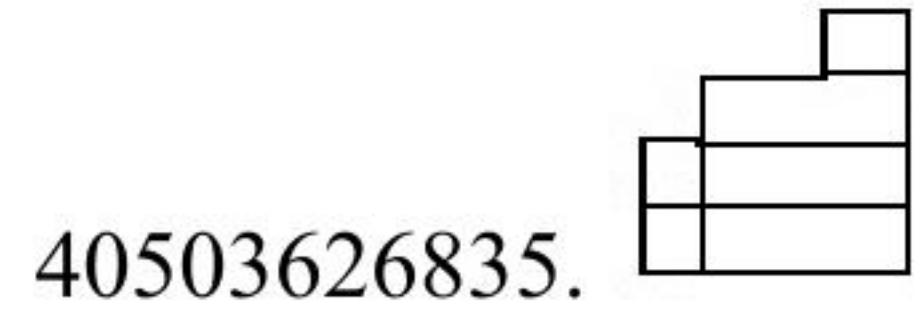
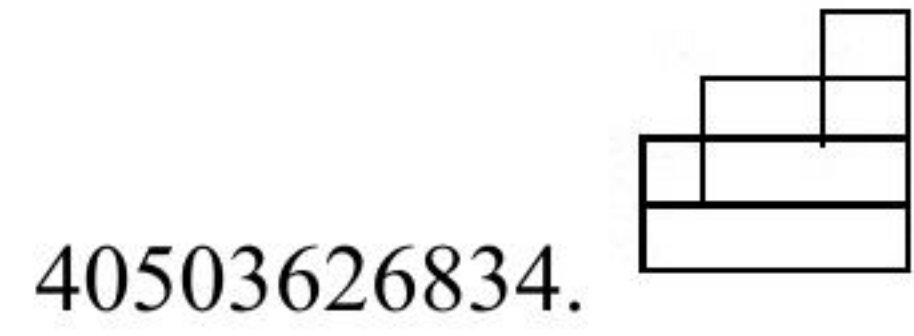


Question Number : 38 Question Id : 4050367349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

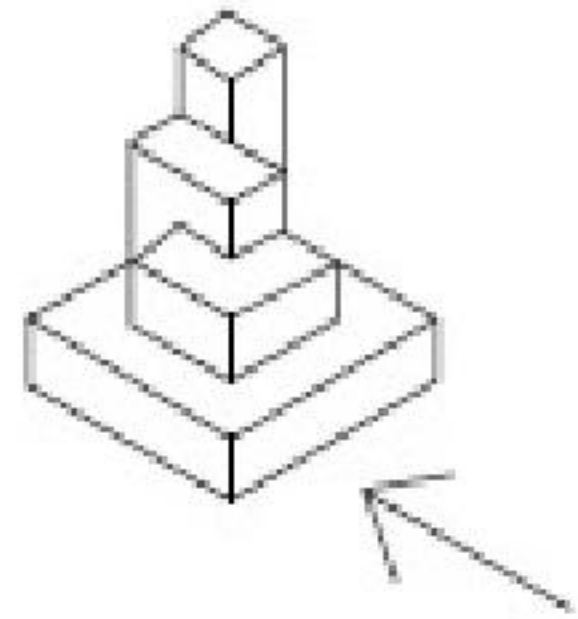


Options :

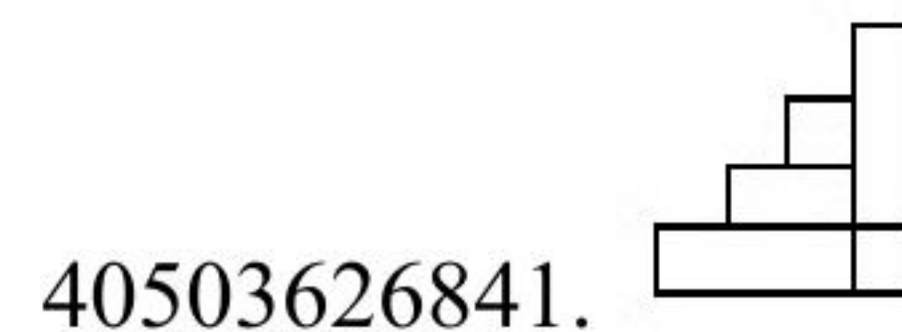
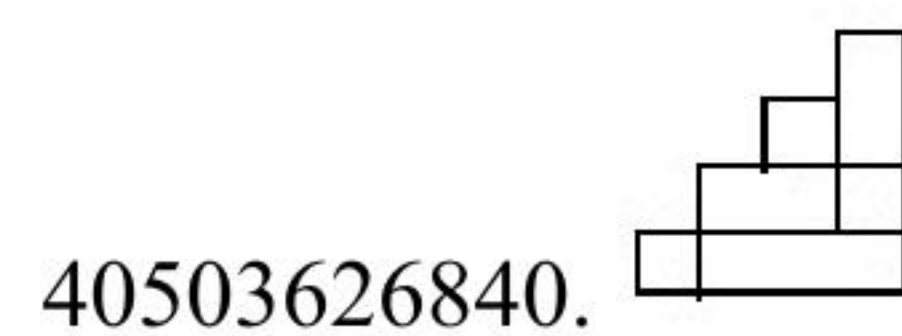
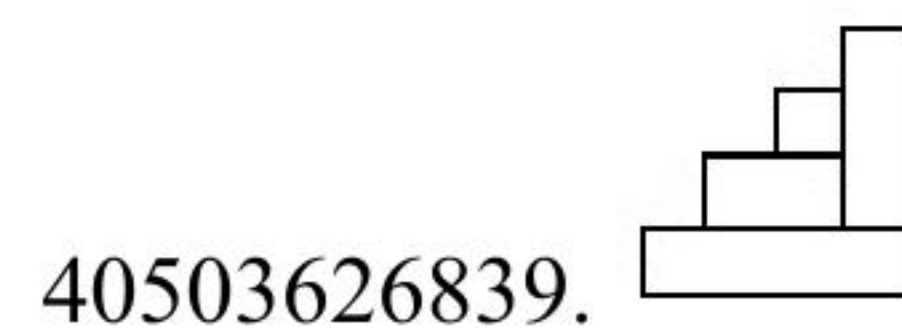
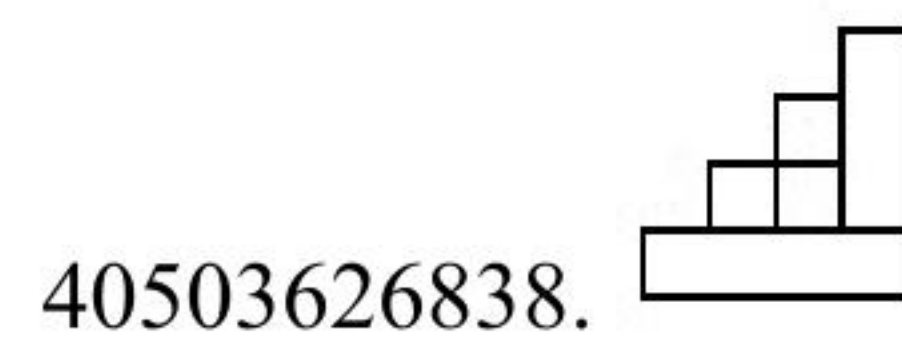


Question Number : 39 Question Id : 4050367350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

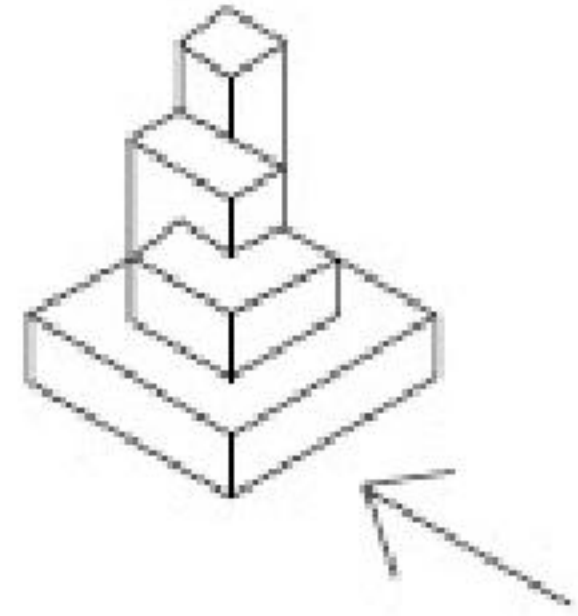


Options :

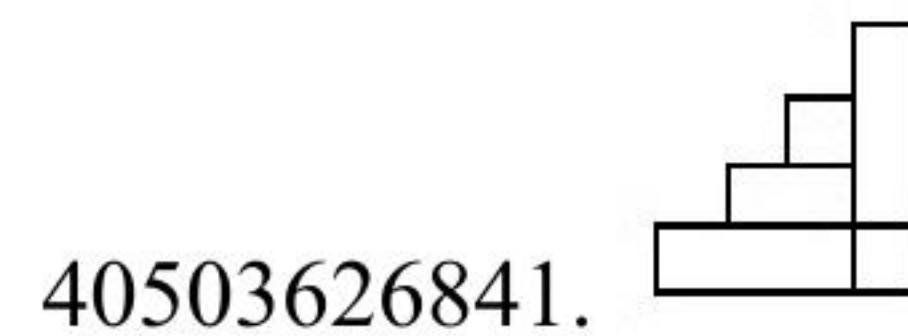
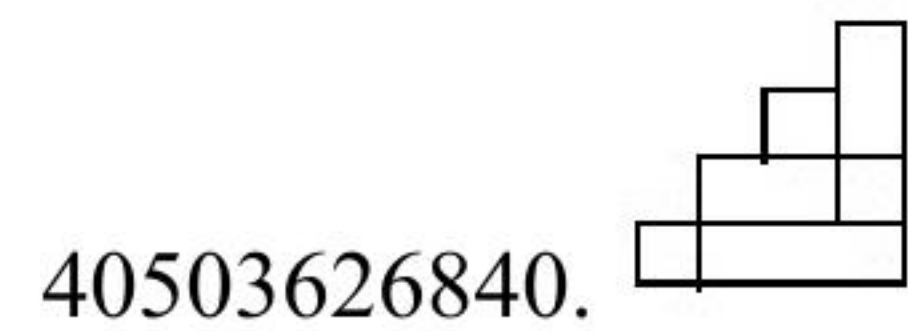
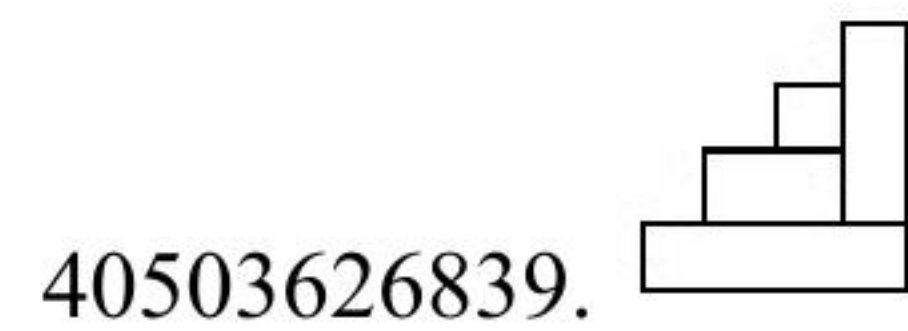
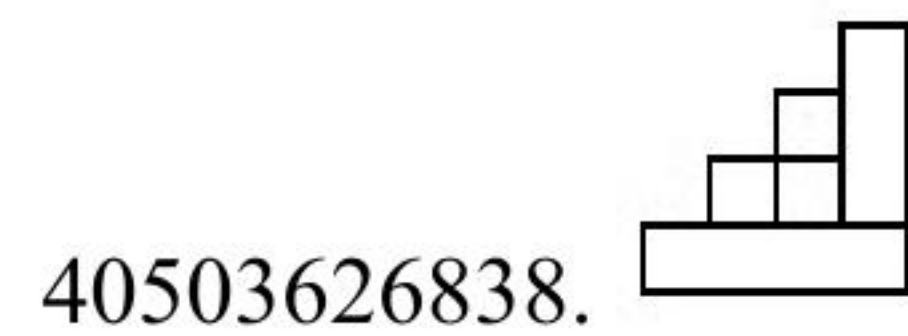


Question Number : 39 Question Id : 4050367350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
 Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
 Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

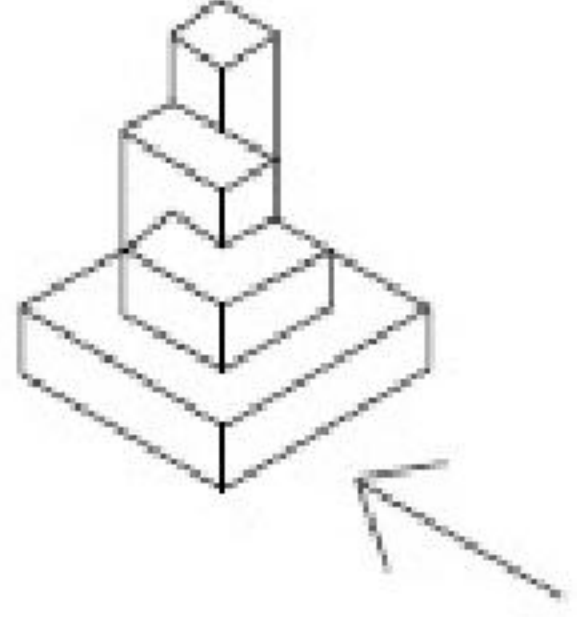


Options :

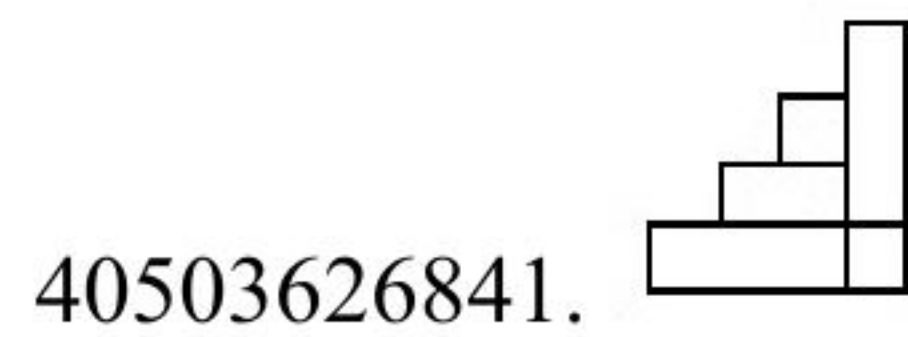
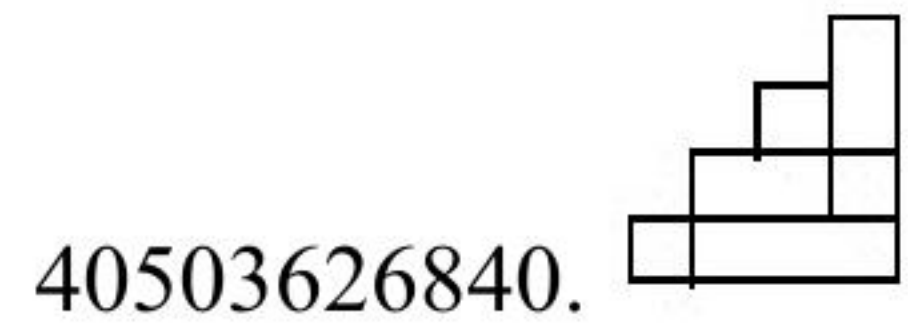
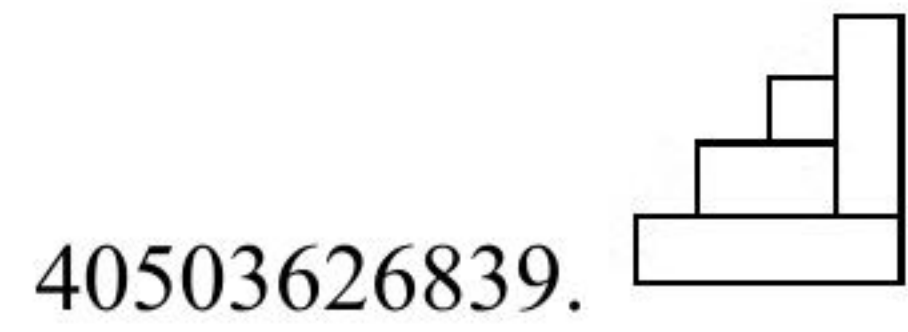
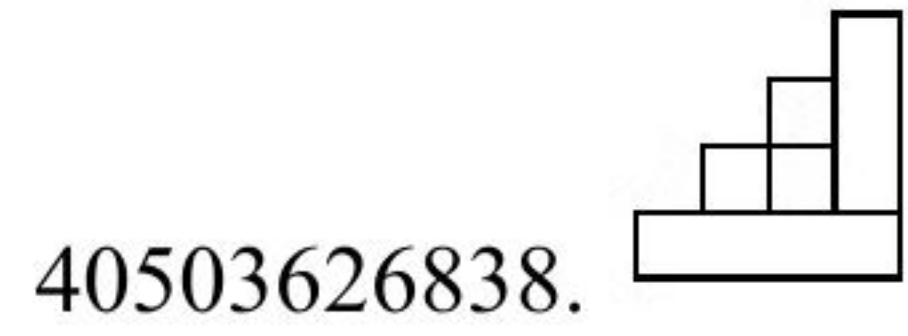


Question Number : 39 Question Id : 4050367350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દશ્ય જવાબ આકૃતિઓમાંથી શોધો.

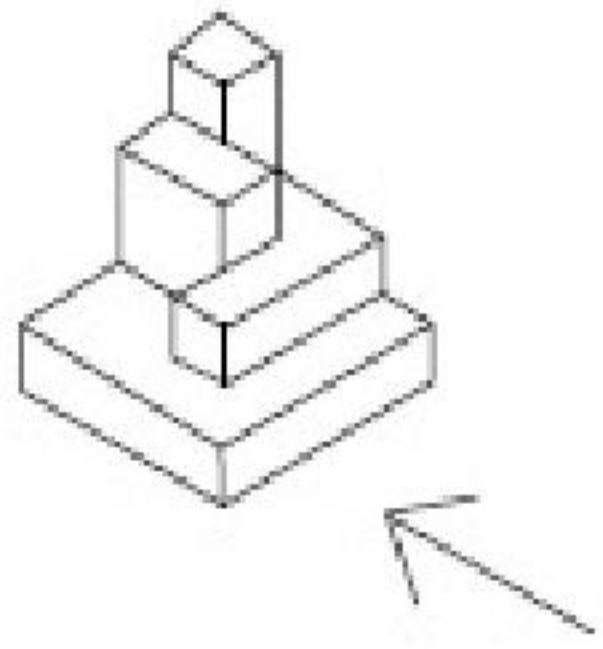


Options :

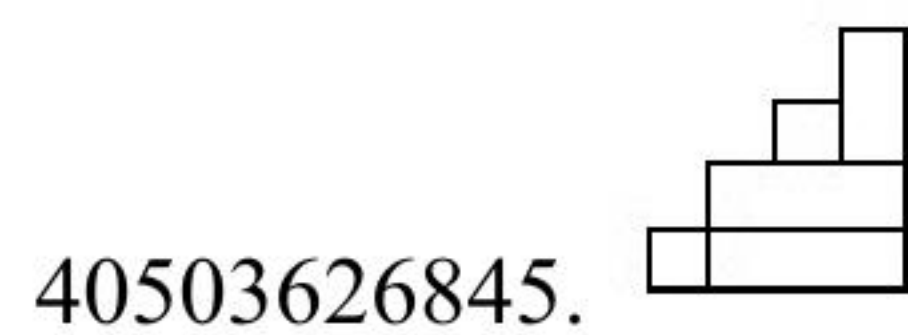
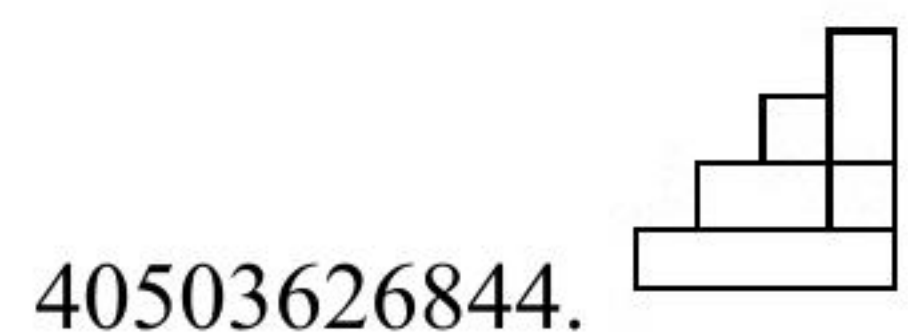
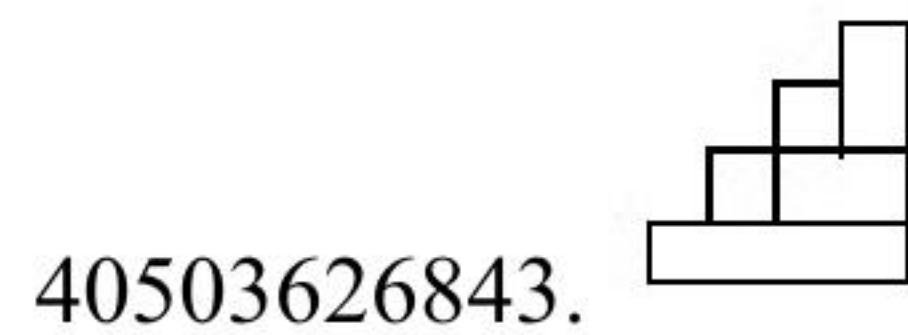
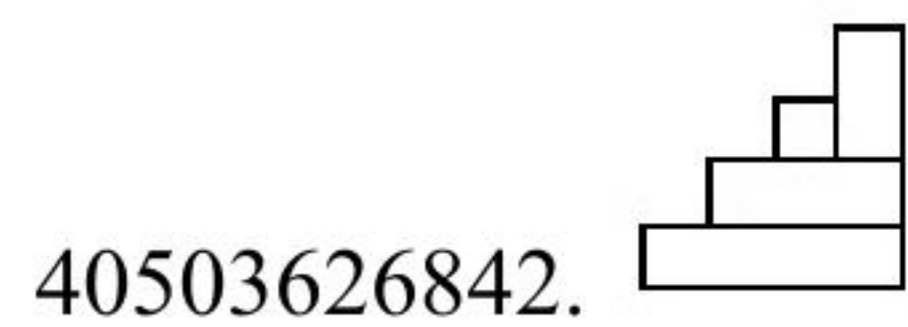


Question Number : 40 Question Id : 4050367351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The 3 - D figure shows the view of an object. Identify the correct view in the direction of the arrow, from amongst the answer figures.

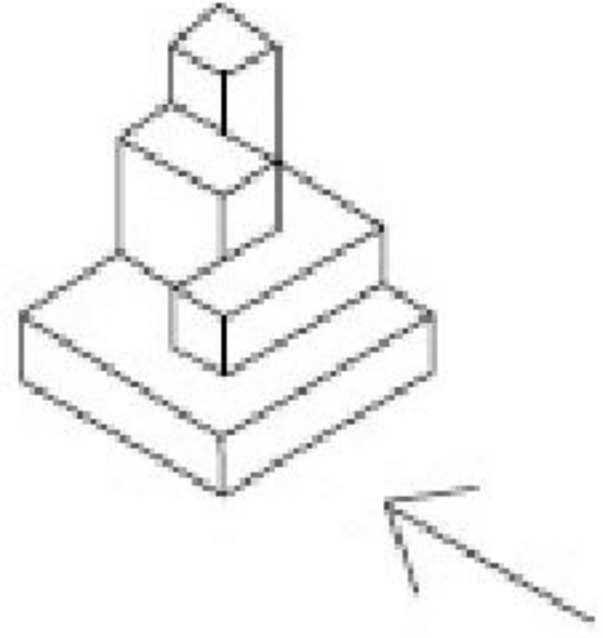


Options :

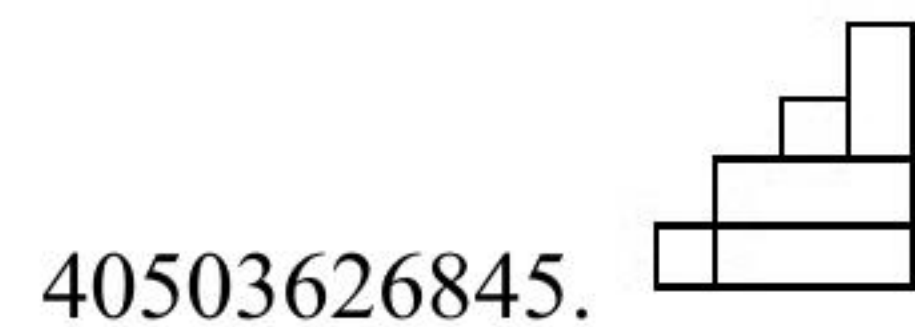
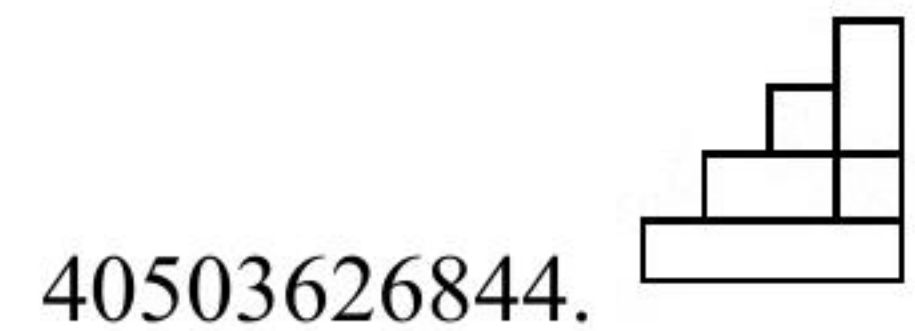
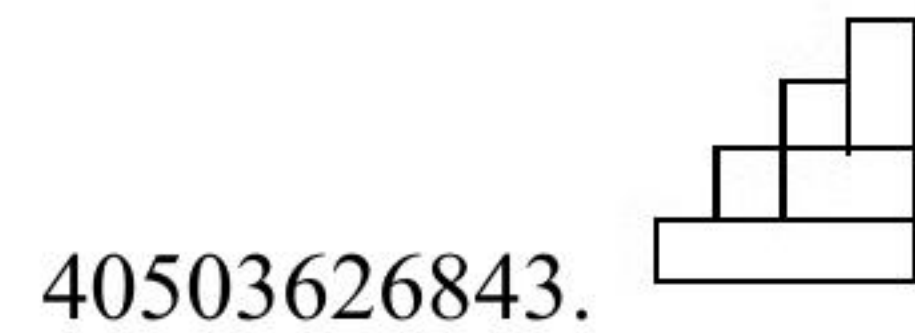
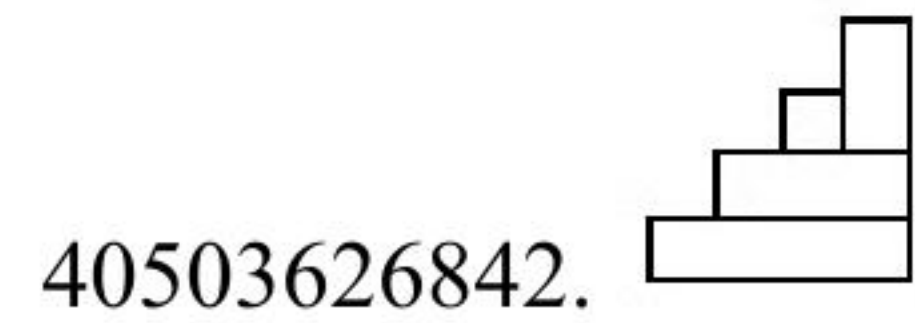


Question Number : 40 Question Id : 4050367351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D प्रश्न आकृति में एक वस्तु के एक दृश्य को दिखाया गया है। तीर की दिशा में देखते हुए, इसके सम्मुख दृश्य को उत्तर आकृतियों में से पहचानिये।

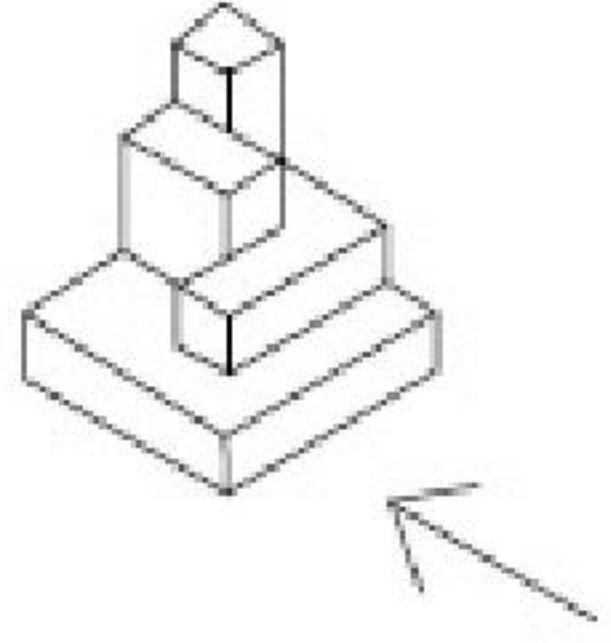


Options :

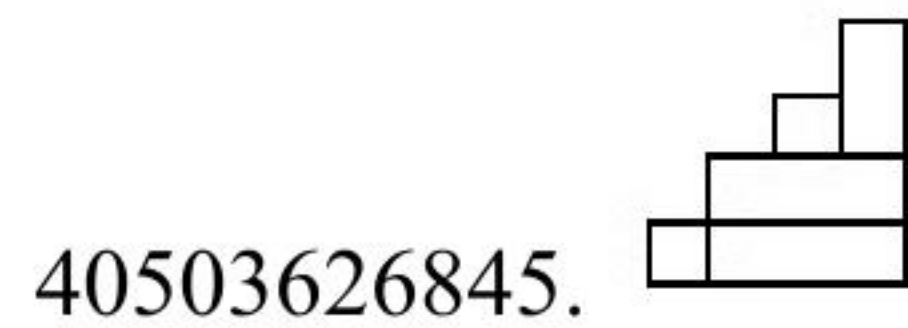
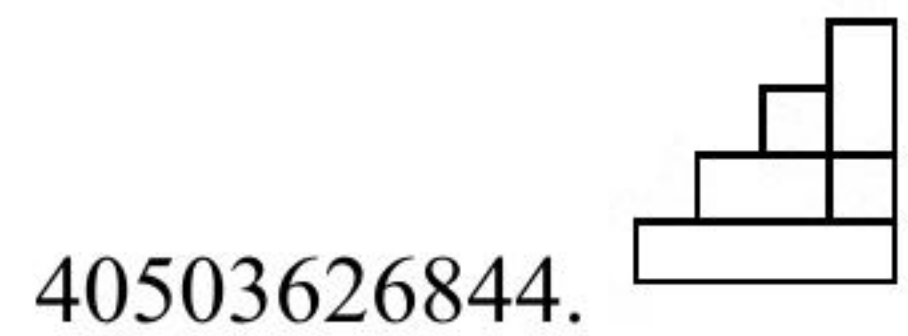
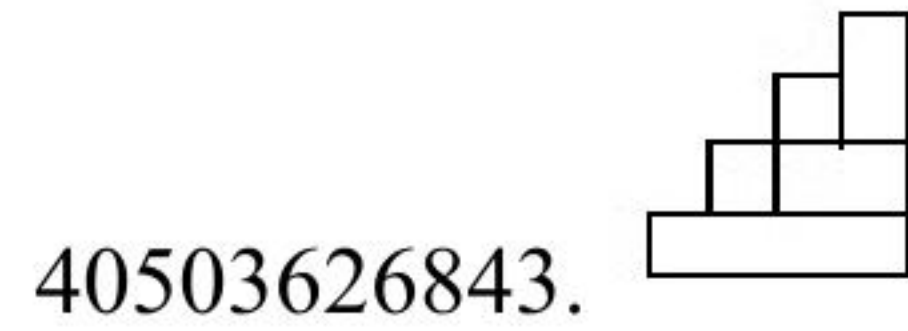
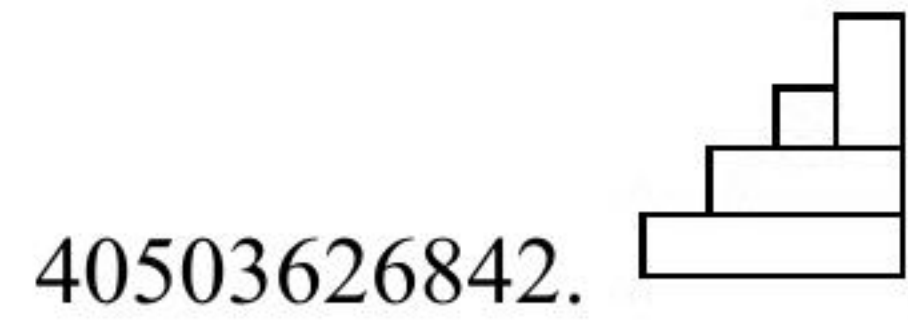


Question Number : 40 Question Id : 4050367351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

3 - D પ્રશ્ન આકૃતિ કોઈ એક વસ્તુનું દૃશ્ય બતાવે છે. ત્રીસની દિશામાં જોતાં, આનું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી શોધો.

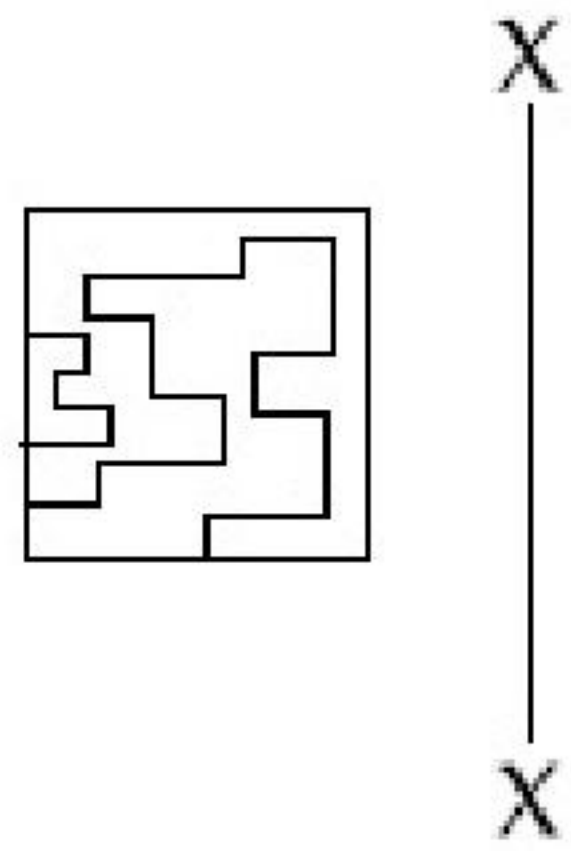


Options :

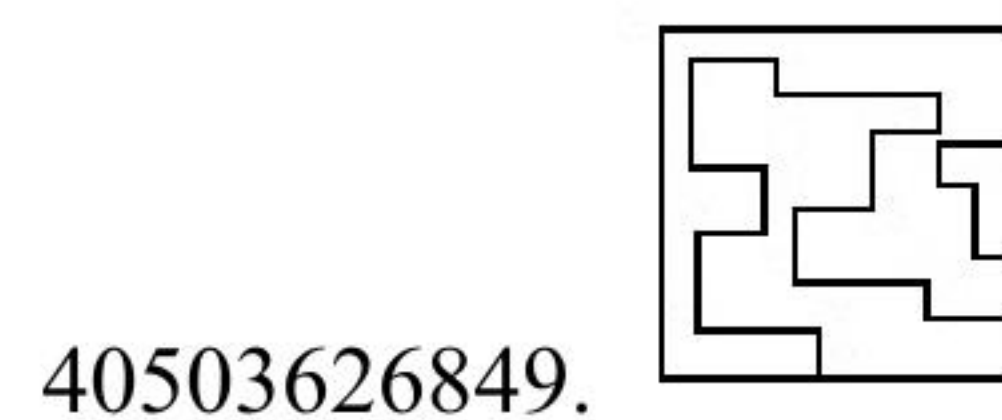
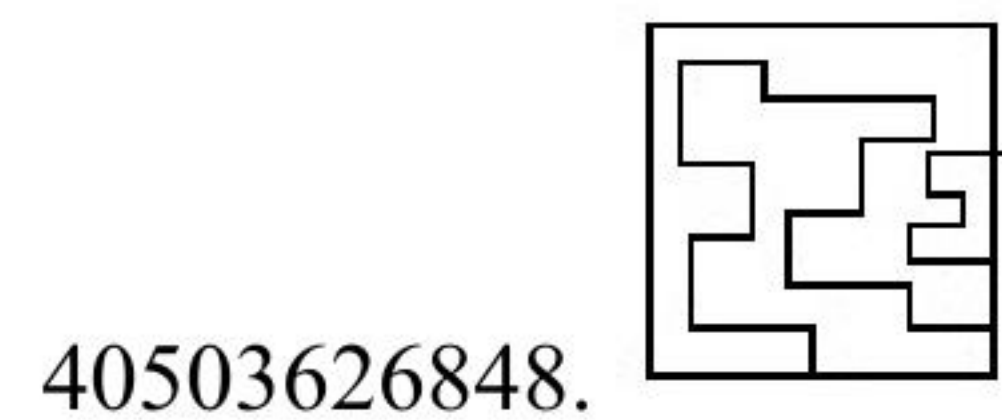
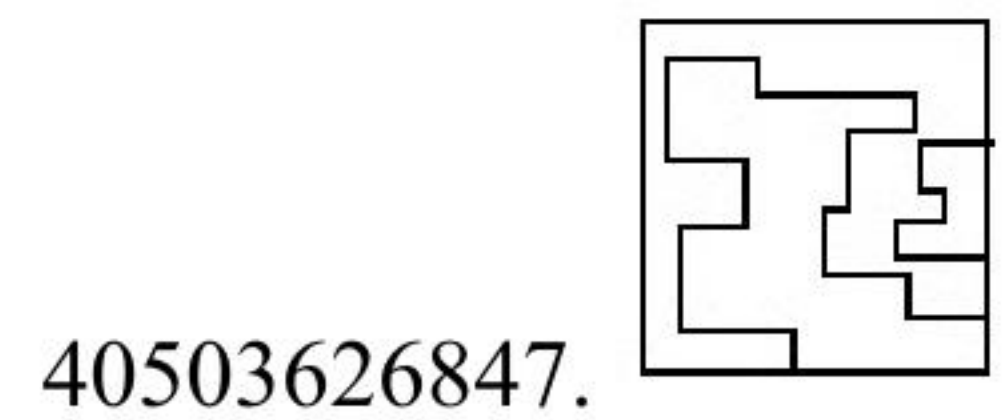
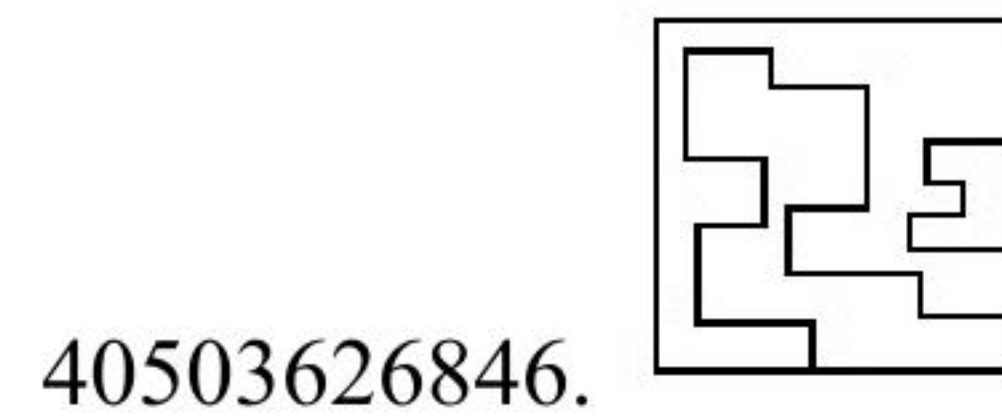


Question Number : 41 Question Id : 4050367352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

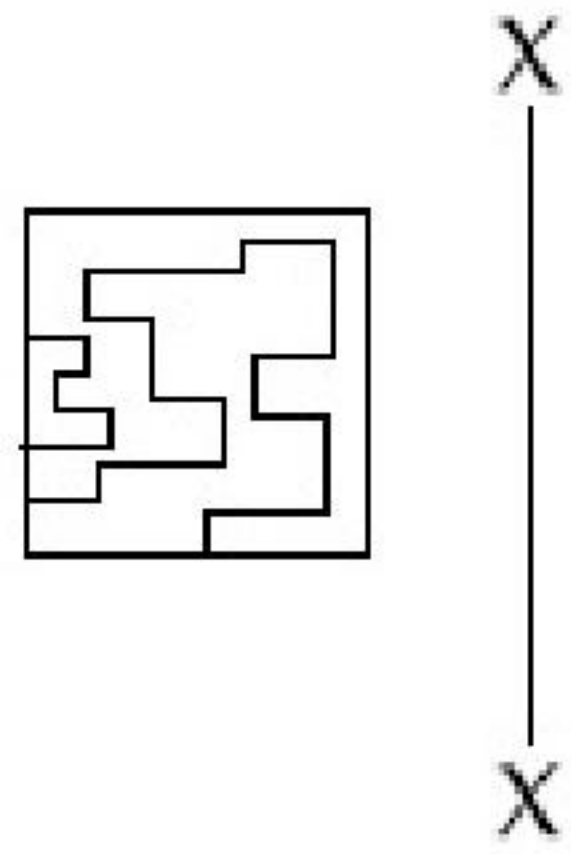
Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X?



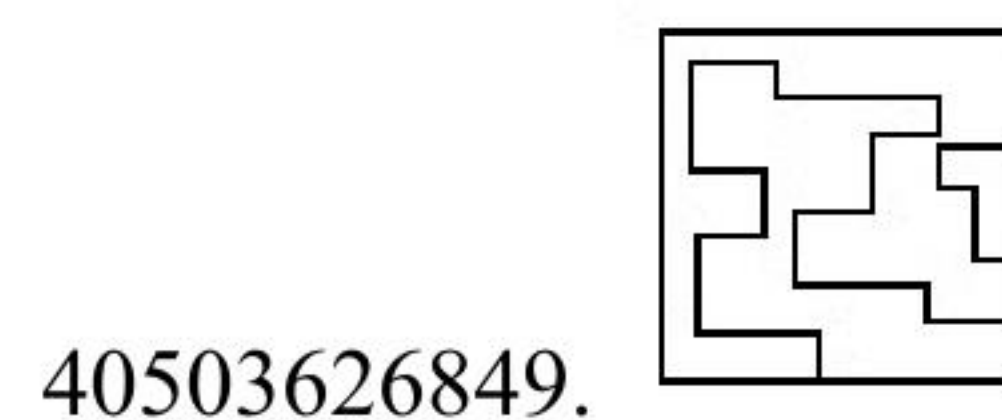
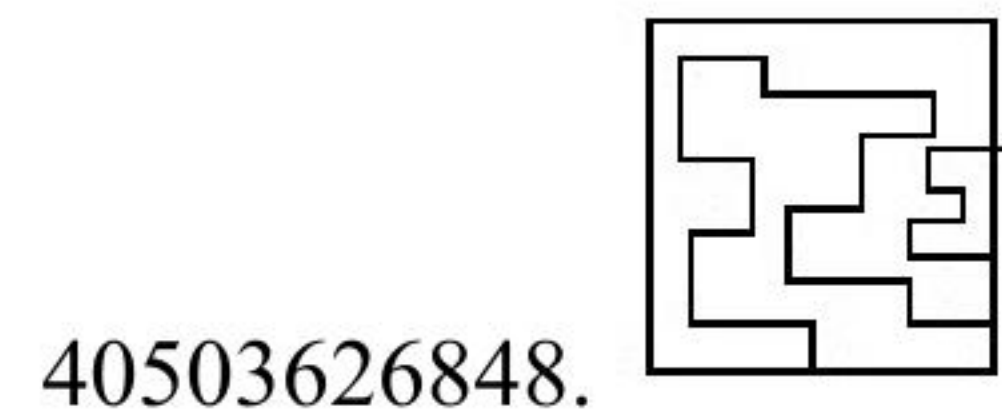
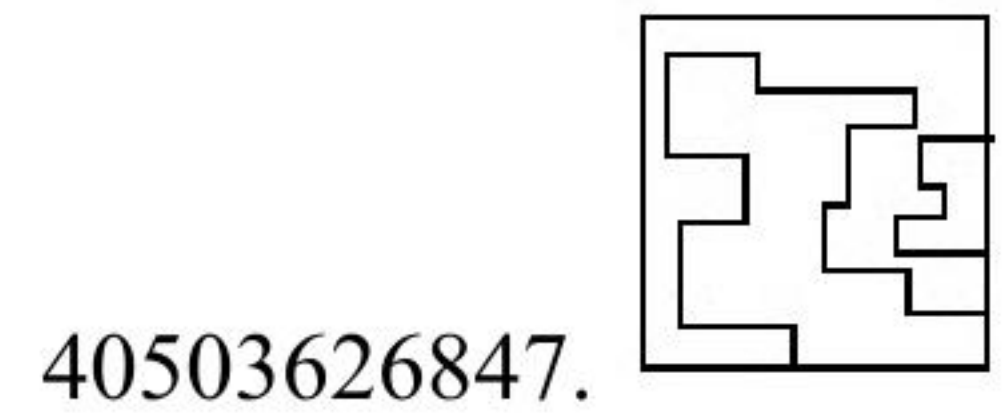
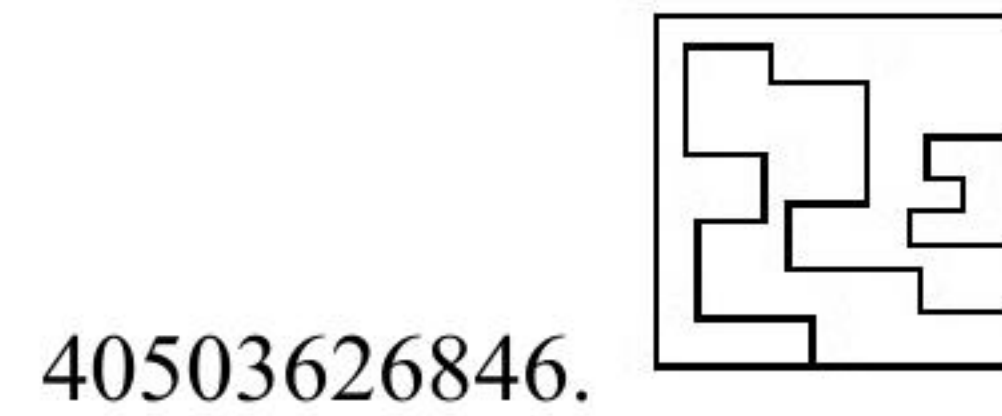
Options :



उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

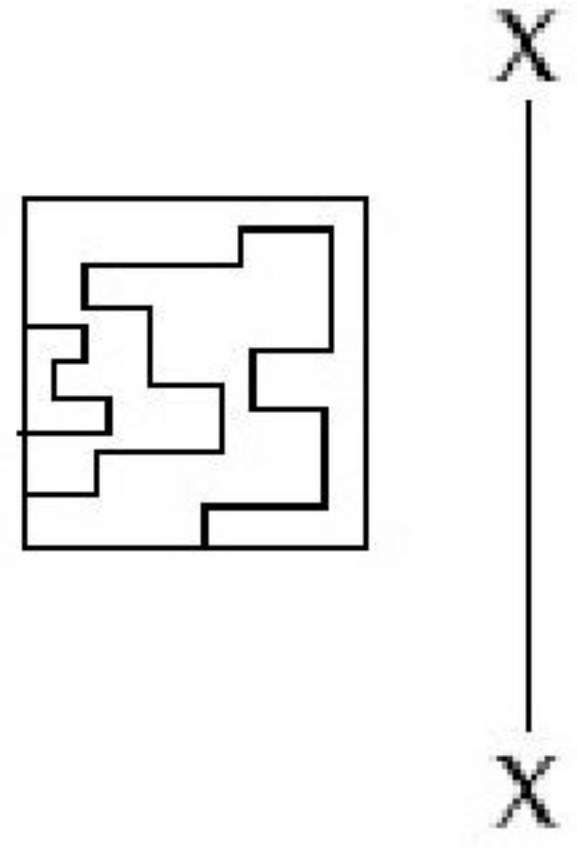


Options :

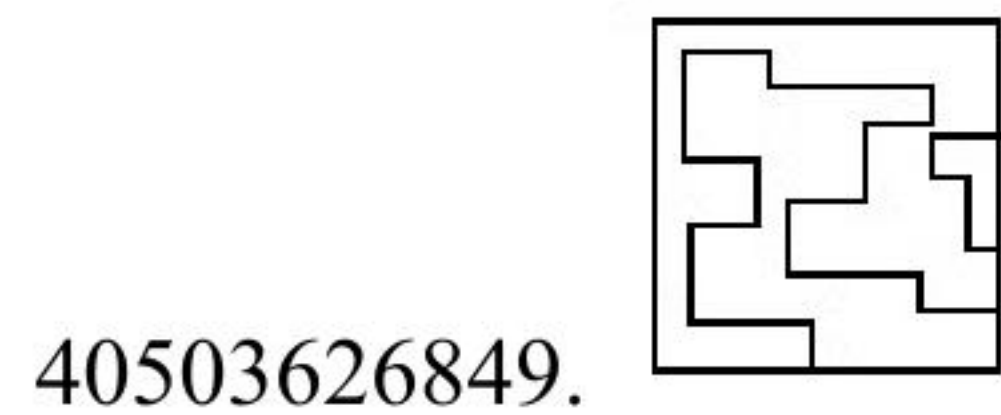
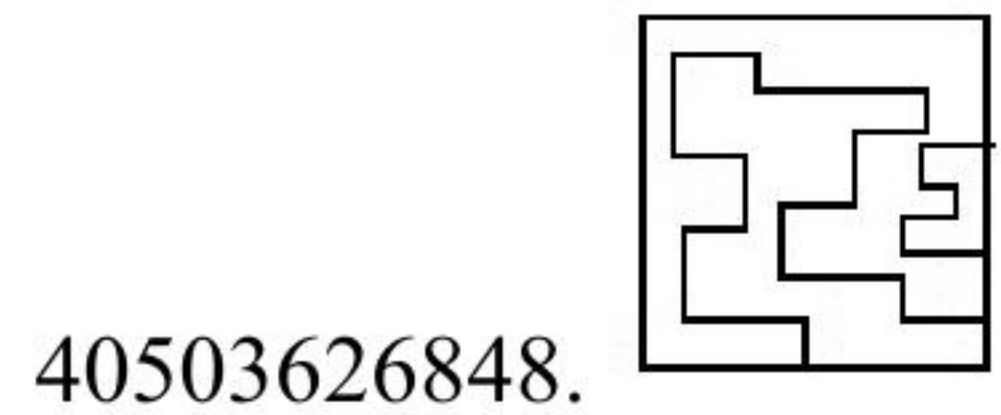
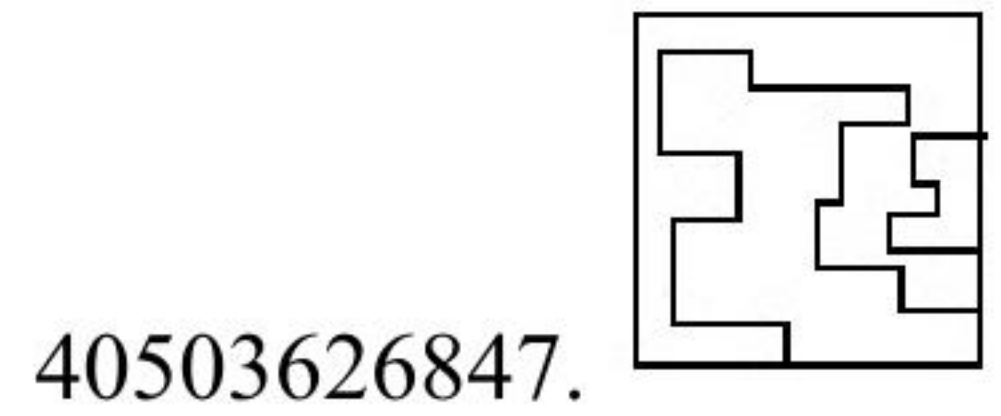
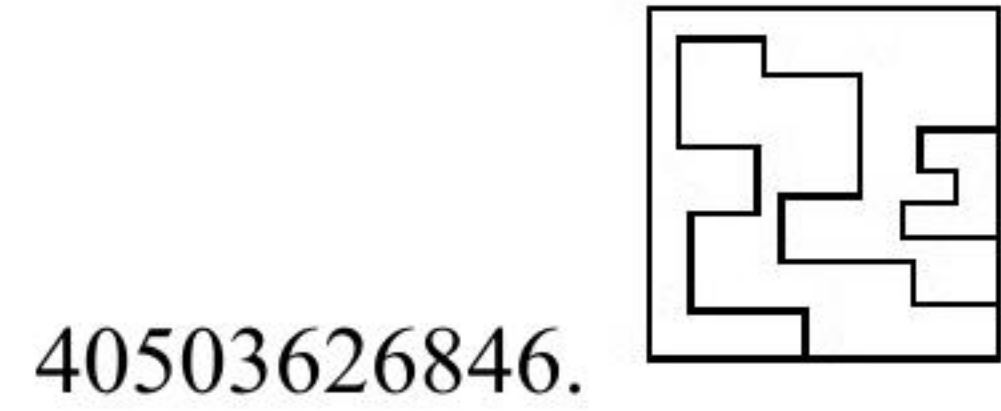


Question Number : 41 Question Id : 4050367352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ, આપેલ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ, સાચું દર્પણ પ્રતિબિંબ (mirror image) છે ?

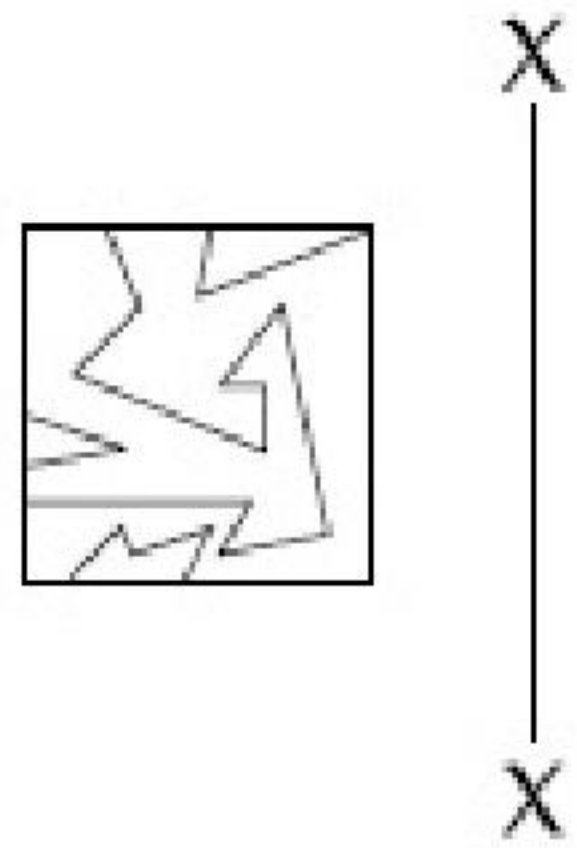


Options :

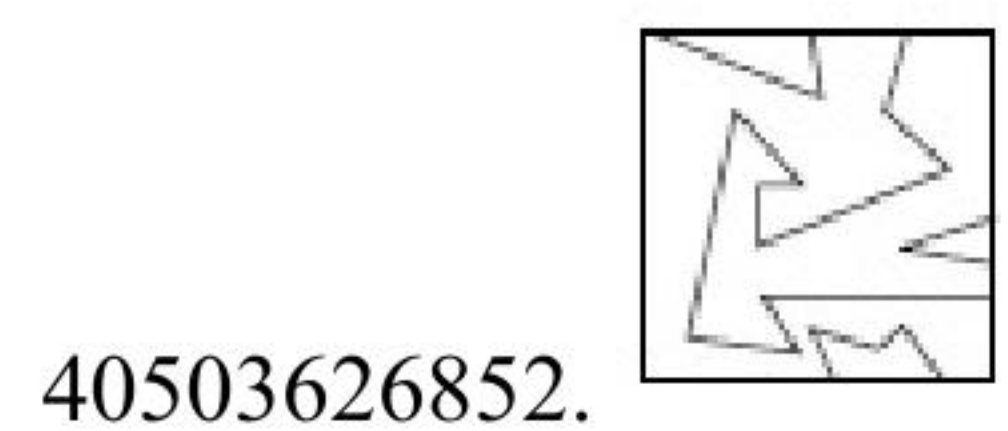
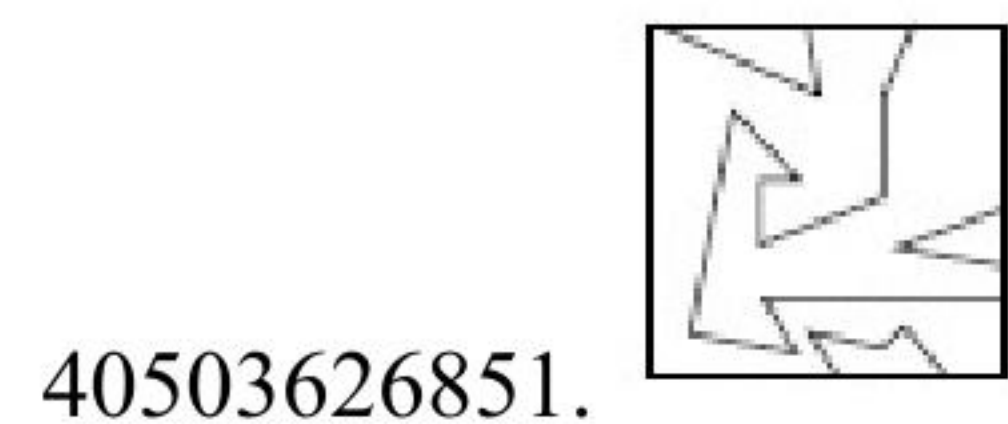
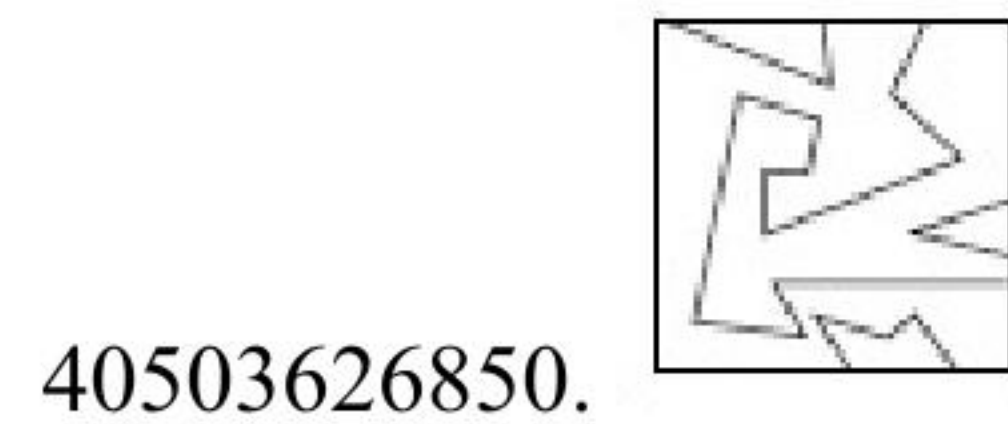


Question Number : 42 Question Id : 4050367353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?



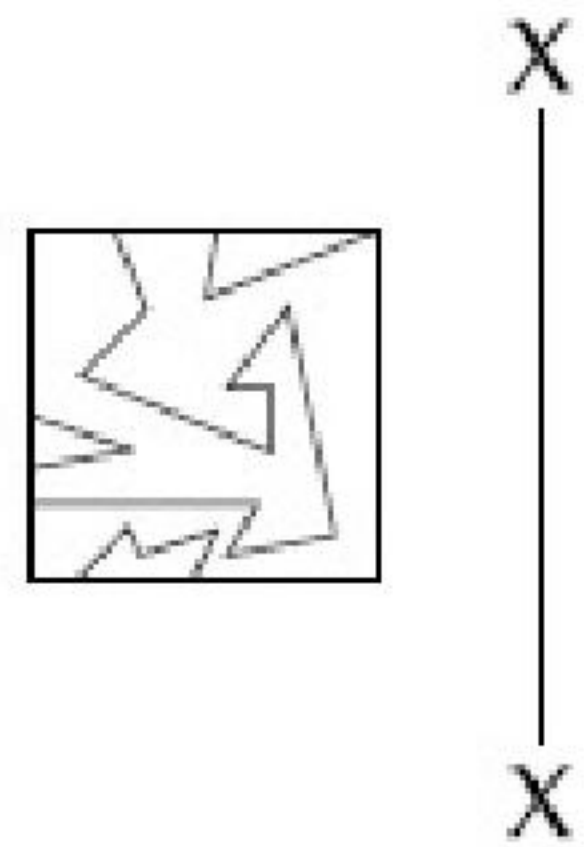
Options :



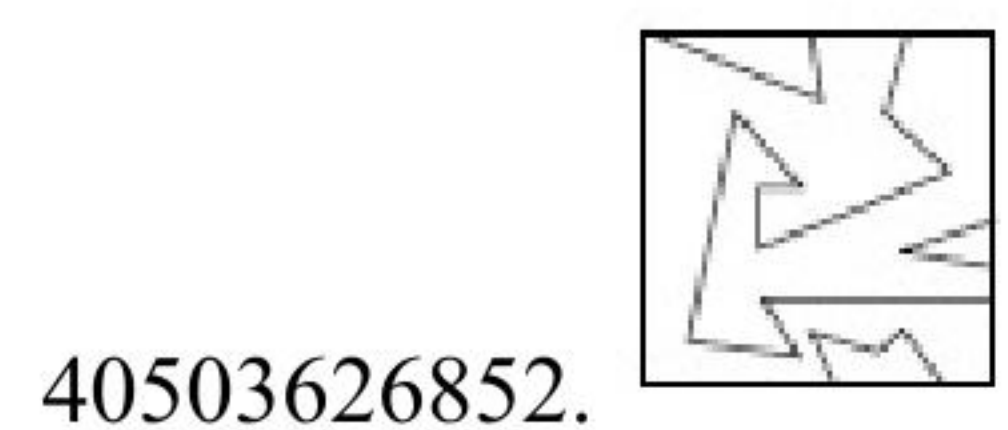
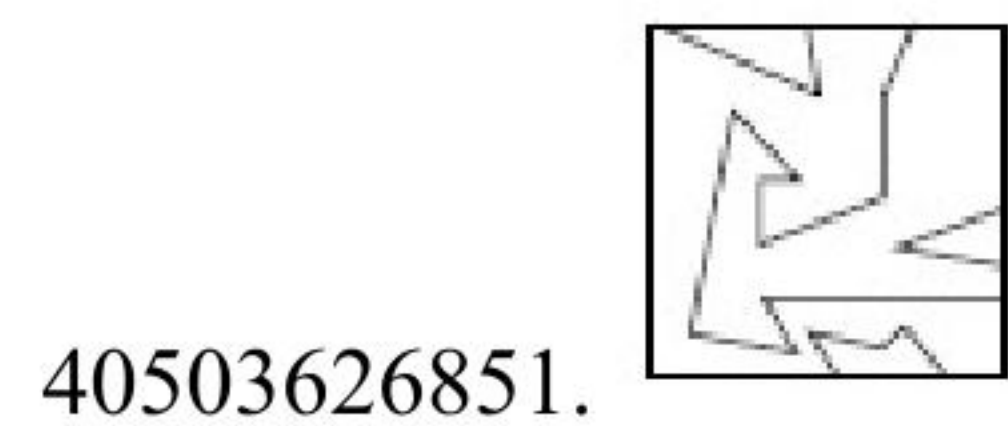
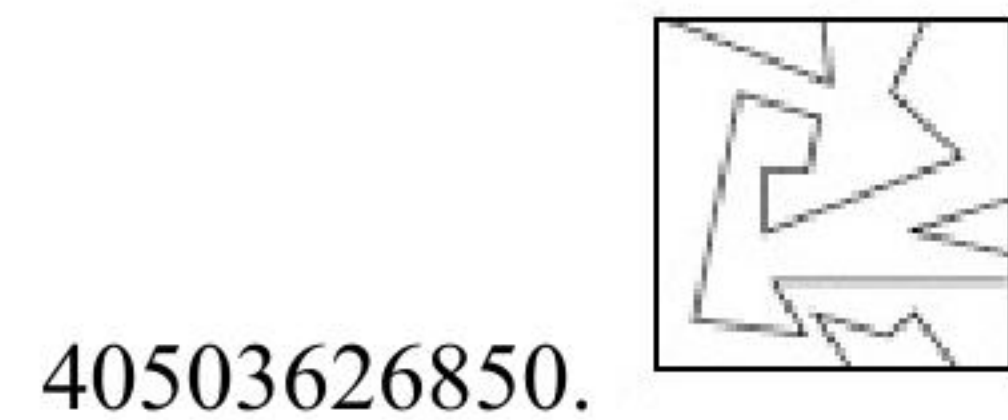
Question Number : 42 Question Id : 4050367353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

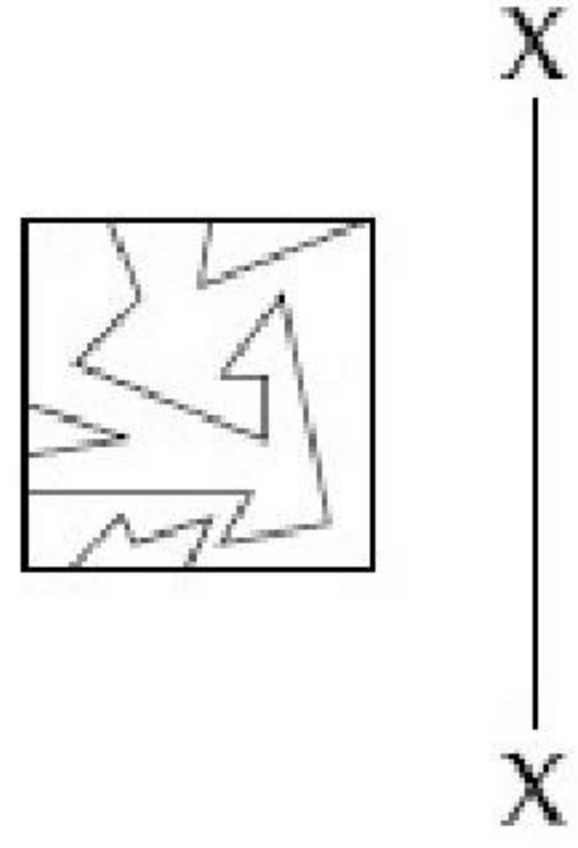


Options :



Question Number : 42 Question Id : 4050367353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ, આપેલ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ, સાચું દર્પણ પ્રતિબિંબ (mirror image) છે ?



Options :



40503626850.



40503626851.

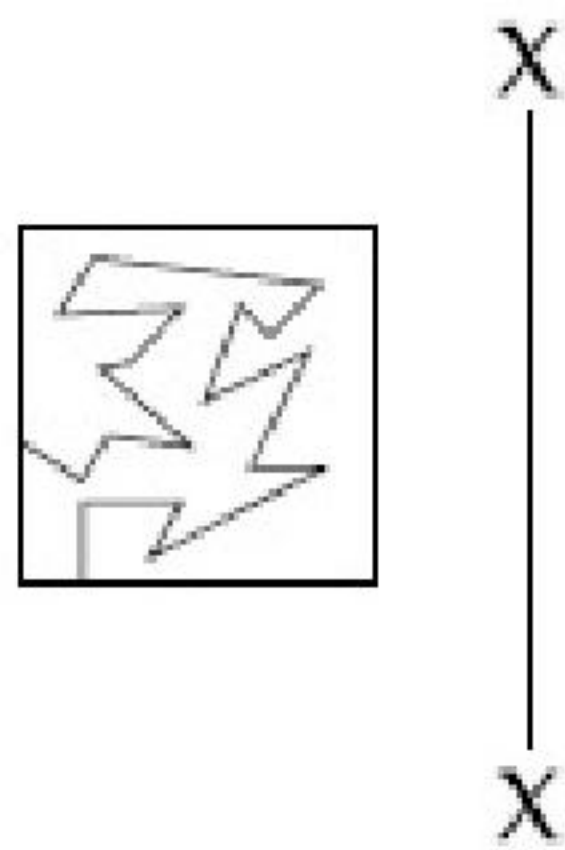


40503626852.

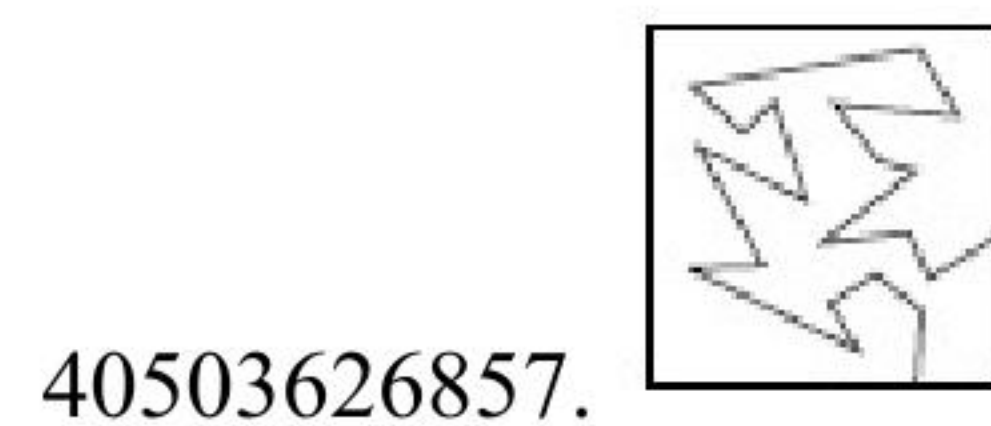
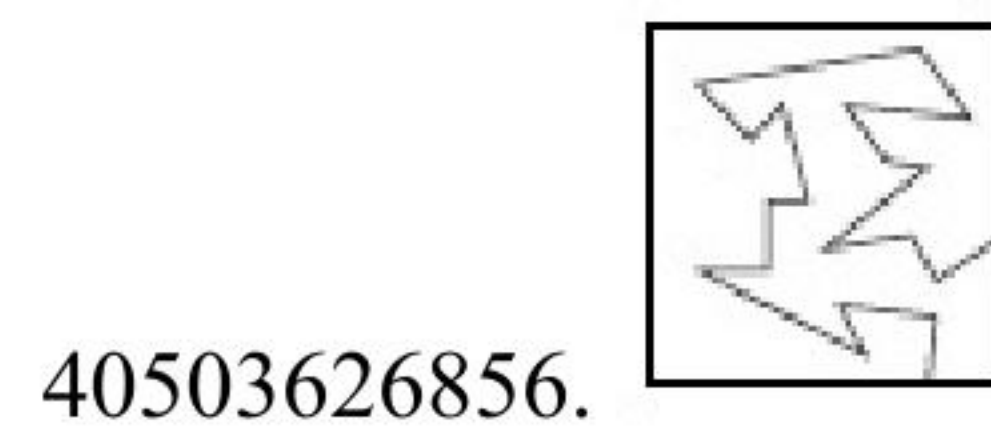
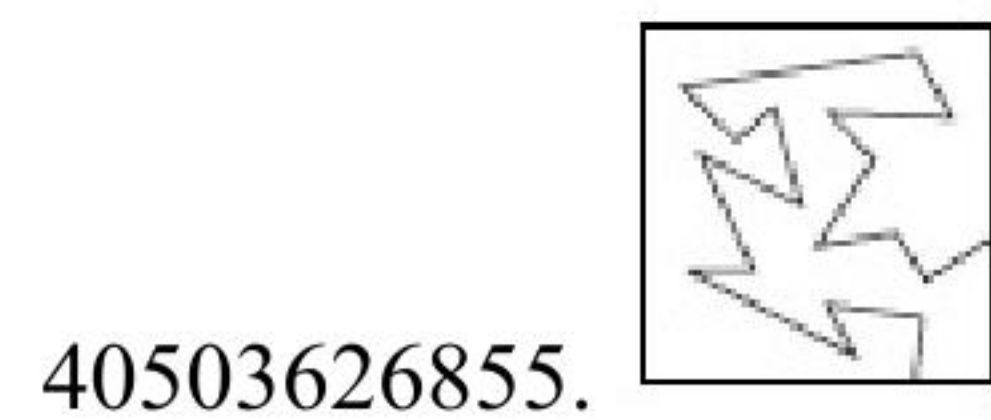
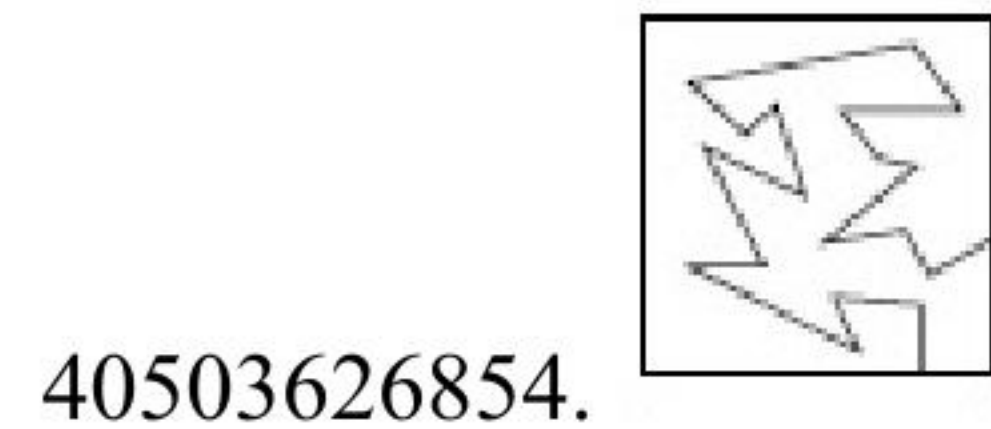


40503626853.

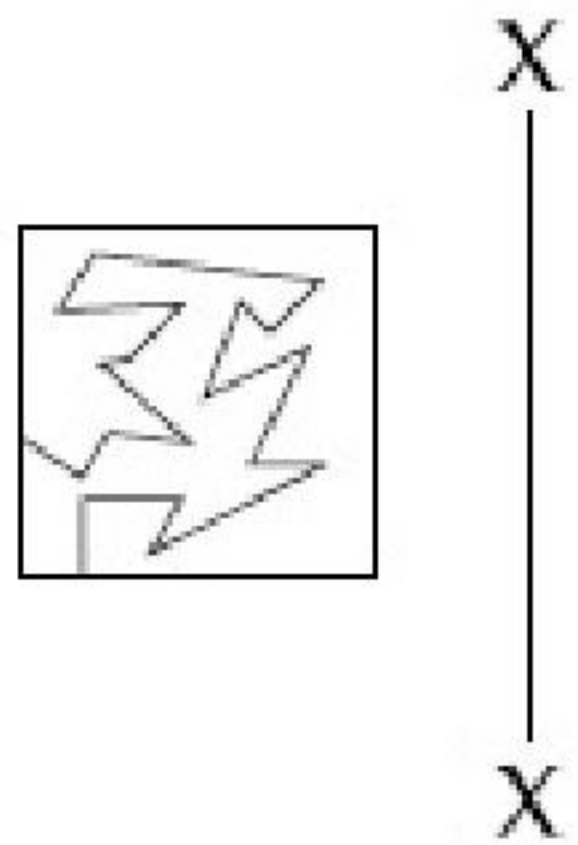
Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?



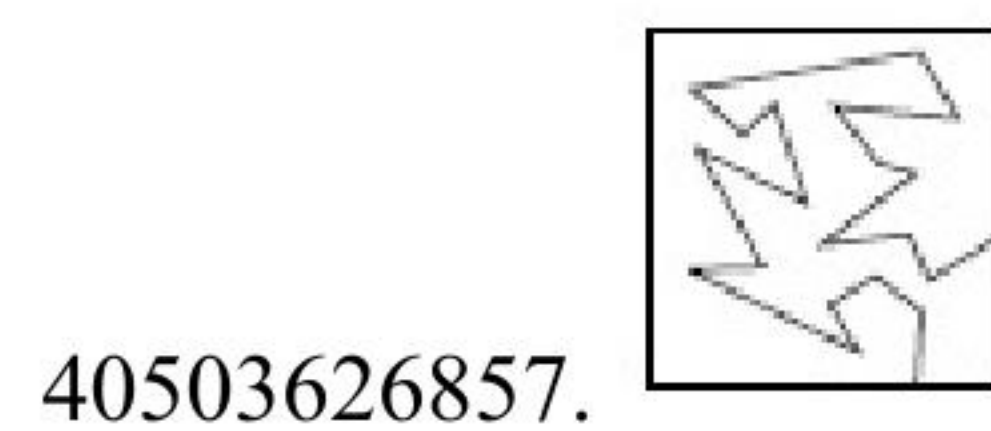
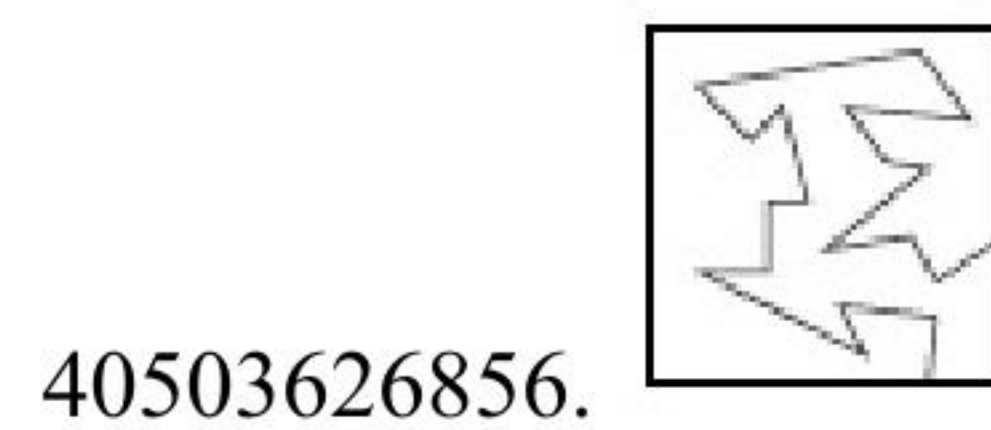
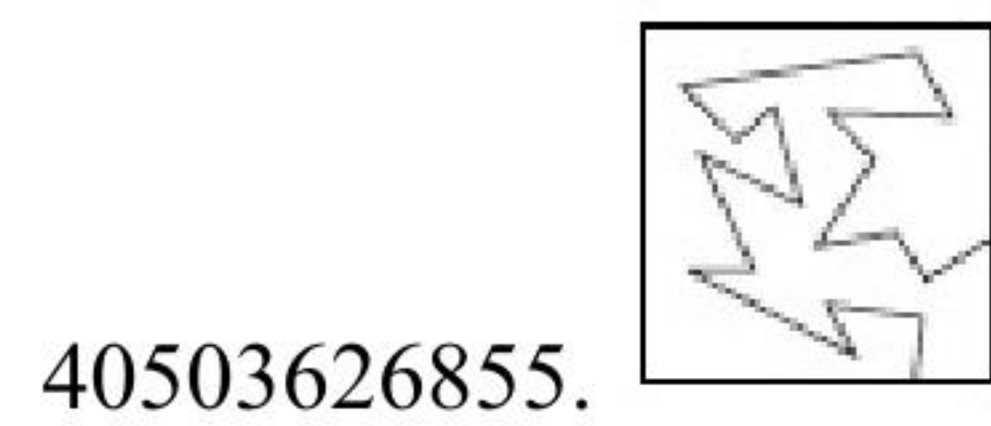
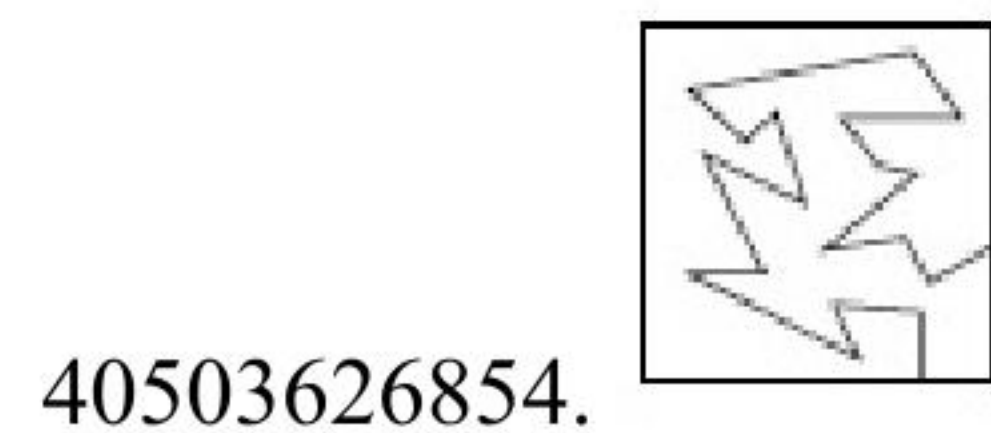
Options :



उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है ?

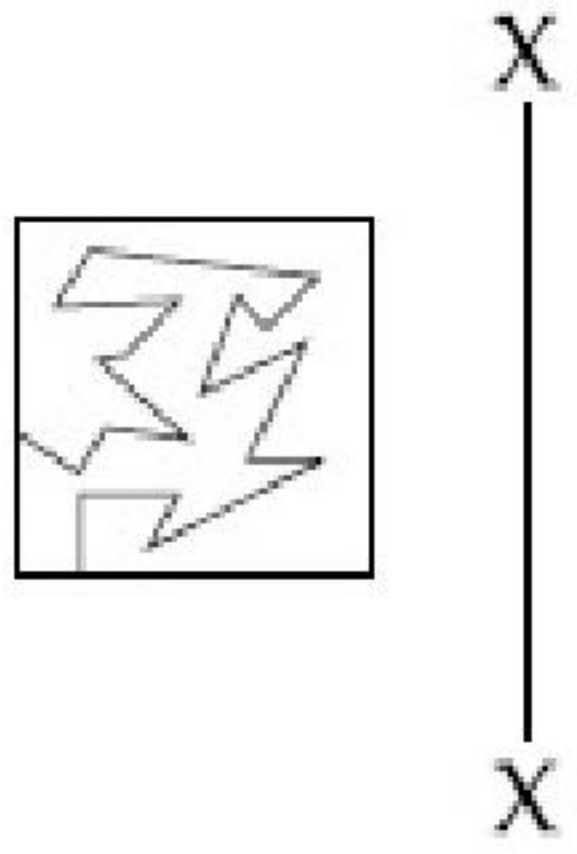


Options :



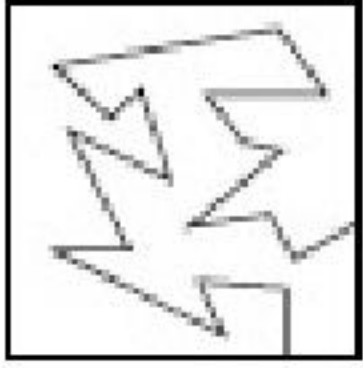
Question Number : 43 Question Id : 4050367354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ, આપેલ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ, સાચું દર્પણ પ્રતિબિંબ (mirror image) છે ?

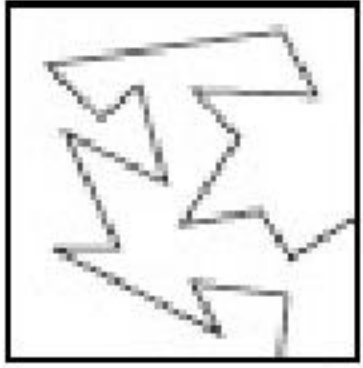


Options :

40503626854.



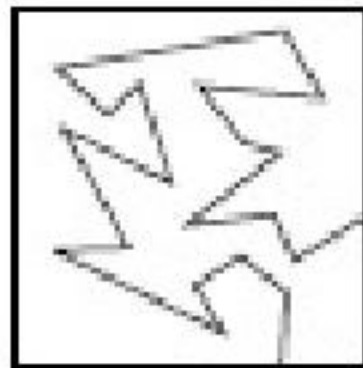
40503626855.



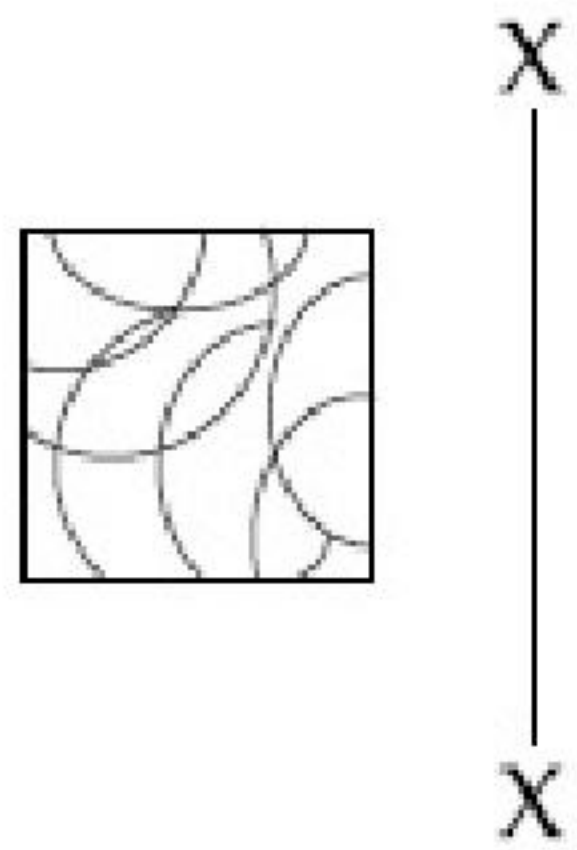
40503626856.



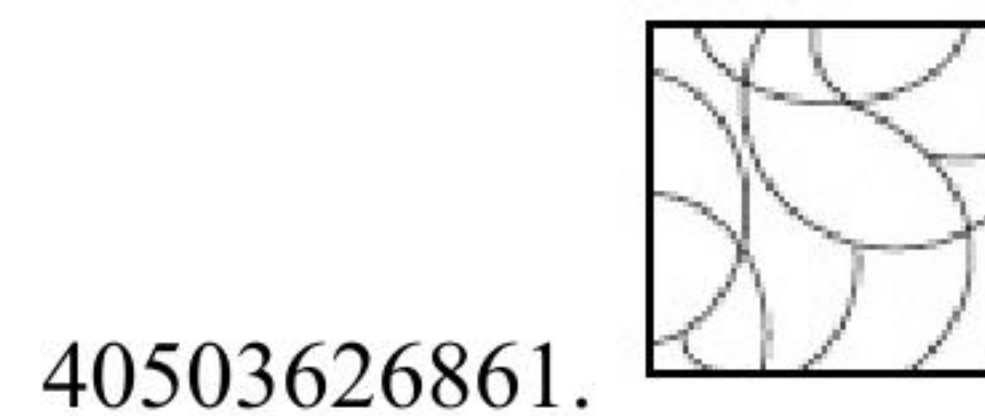
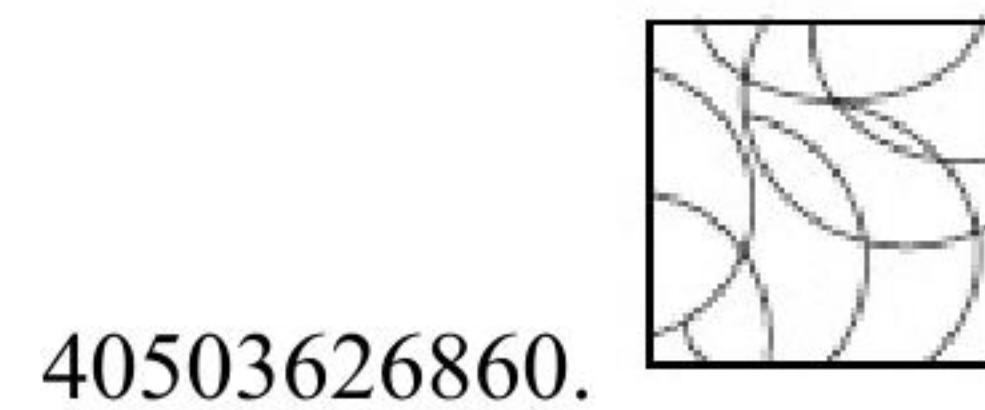
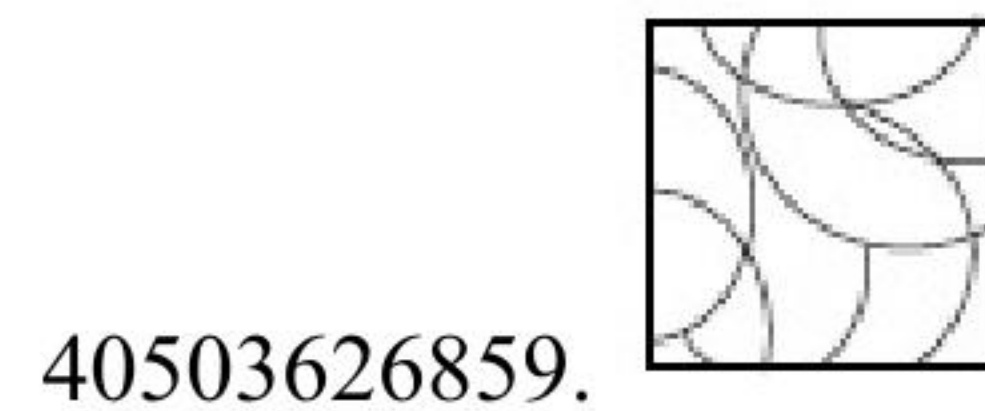
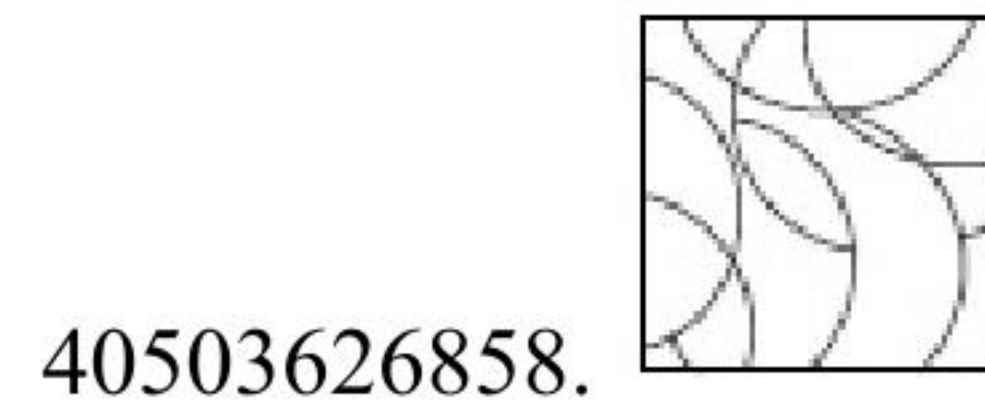
40503626857.



Which one of the answer figures is the correct mirror image of the problem figure with respect to X - X ?

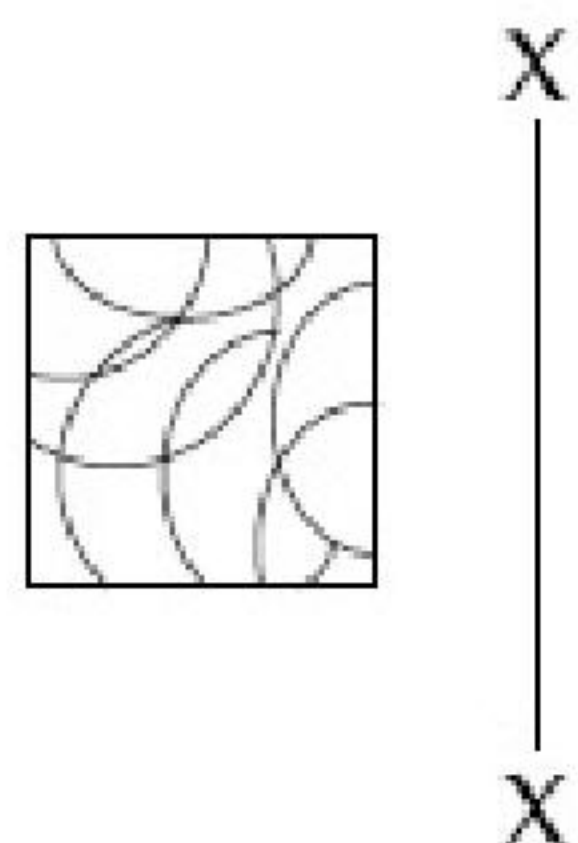


Options :

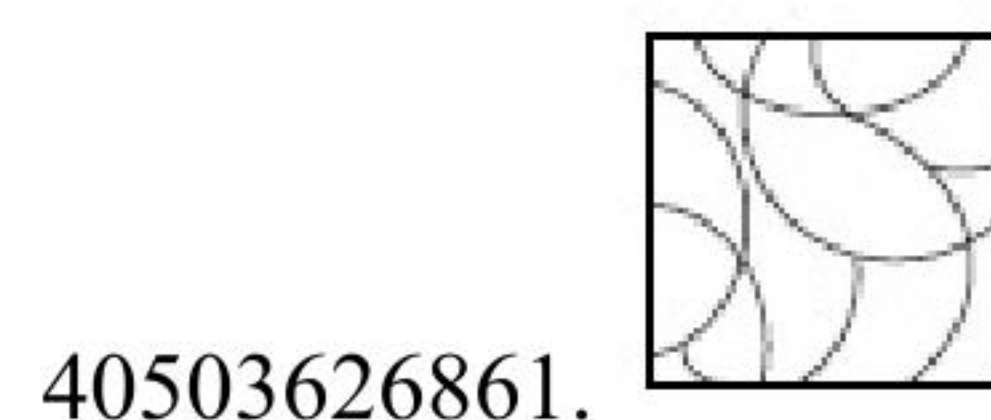
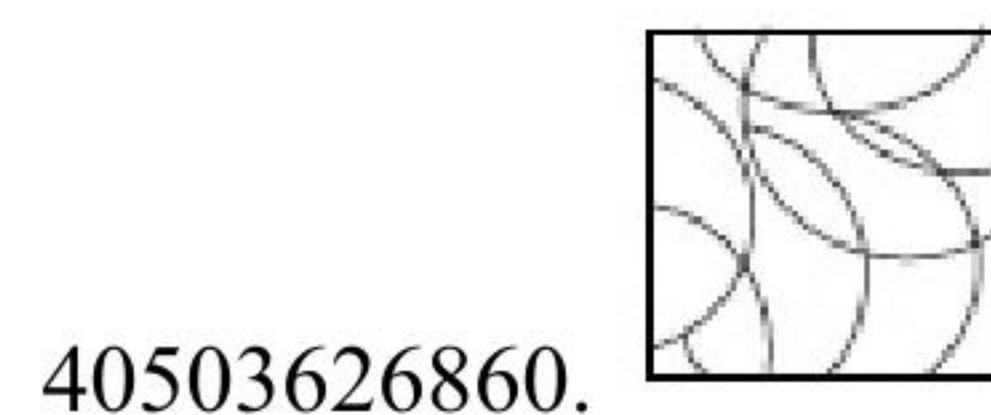
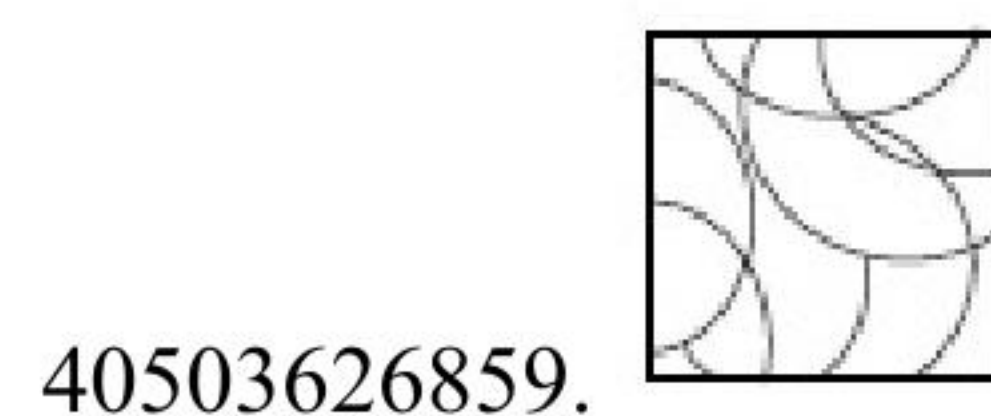
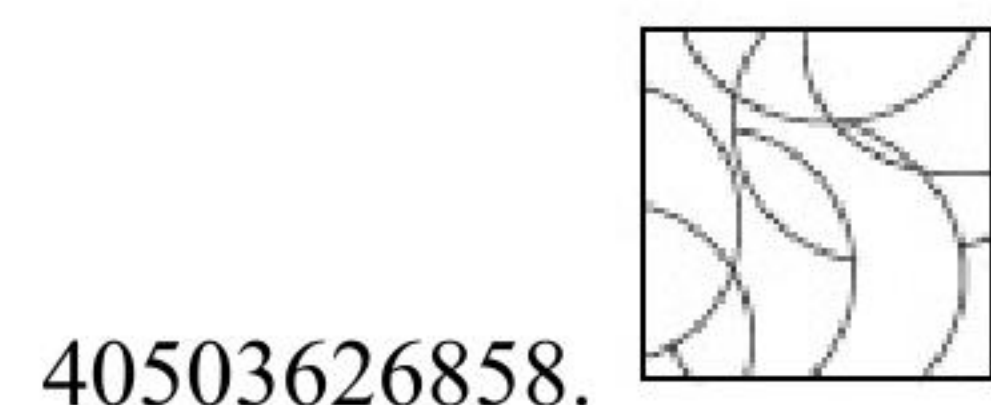


Question Number : 44 Question Id : 4050367355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X - X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

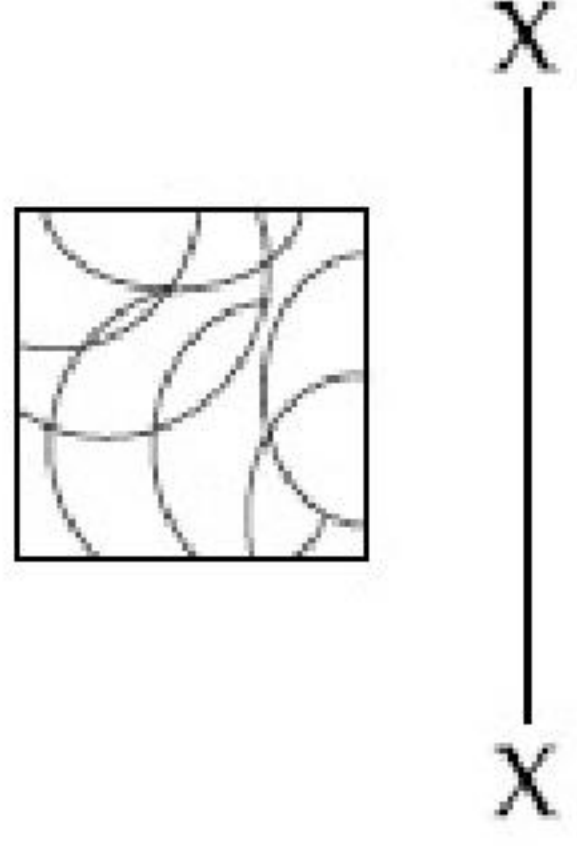


Options :



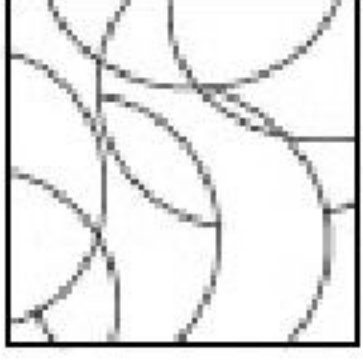
Question Number : 44 Question Id : 4050367355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ, આપેલ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ, સાચું દર્પણ પ્રતિબિંબ (mirror image) છે ?

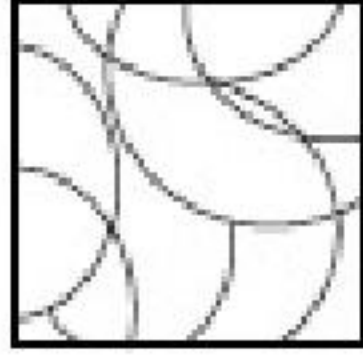


Options :

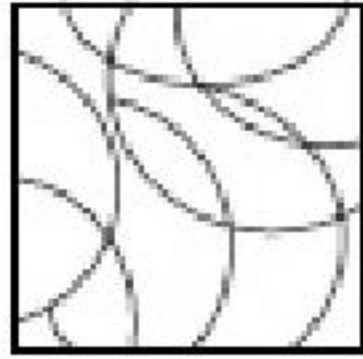
40503626858.



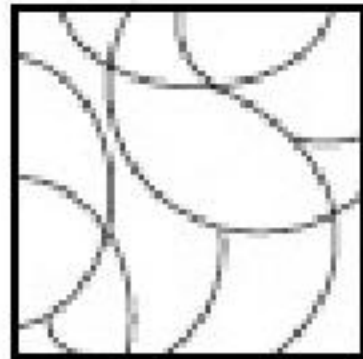
40503626859.



40503626860.

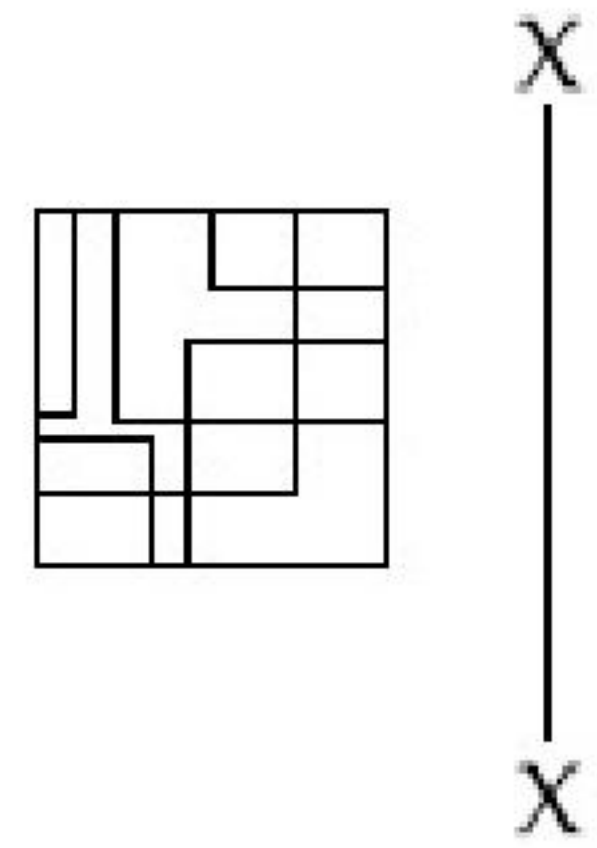


40503626861.

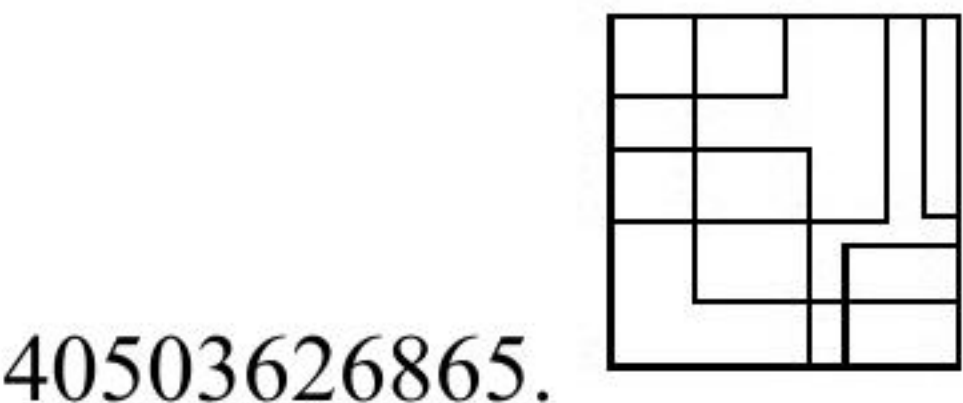
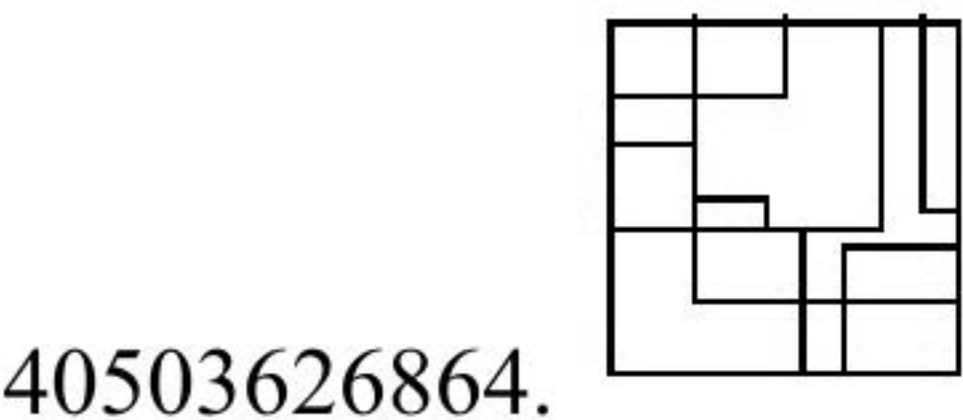
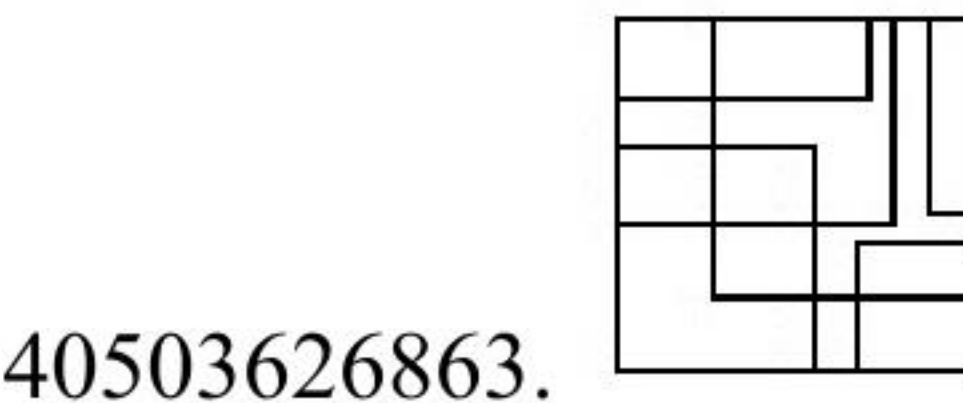
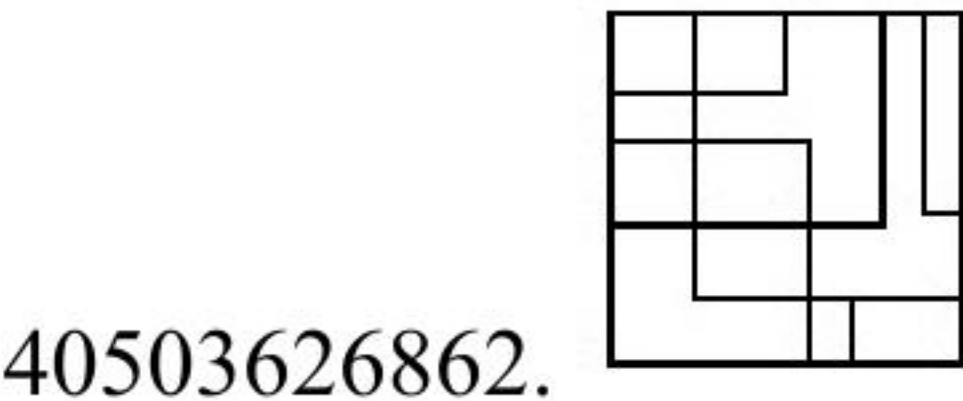


Question Number : 45 Question Id : 4050367356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

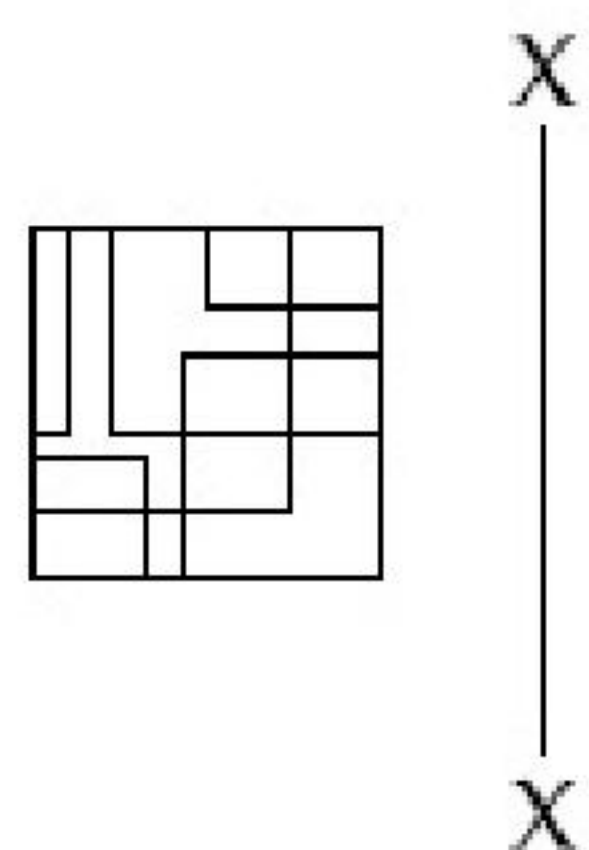
Which one of the answer figures is the correct mirror image of the problem figure with respect to X – X?



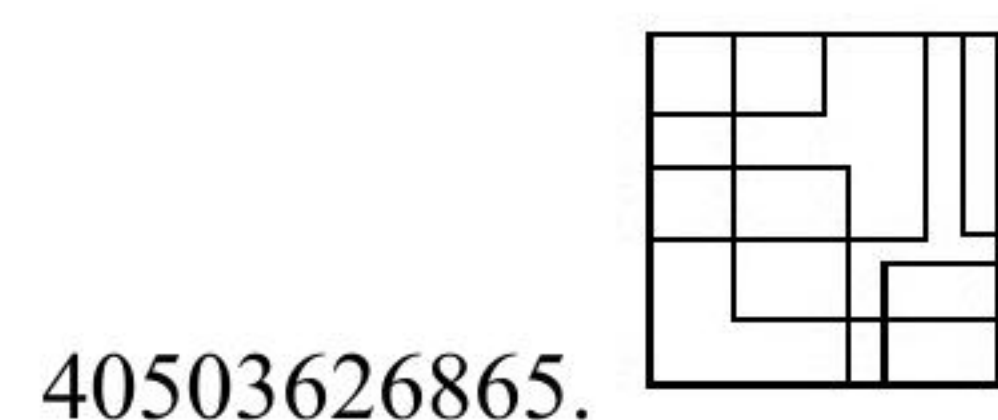
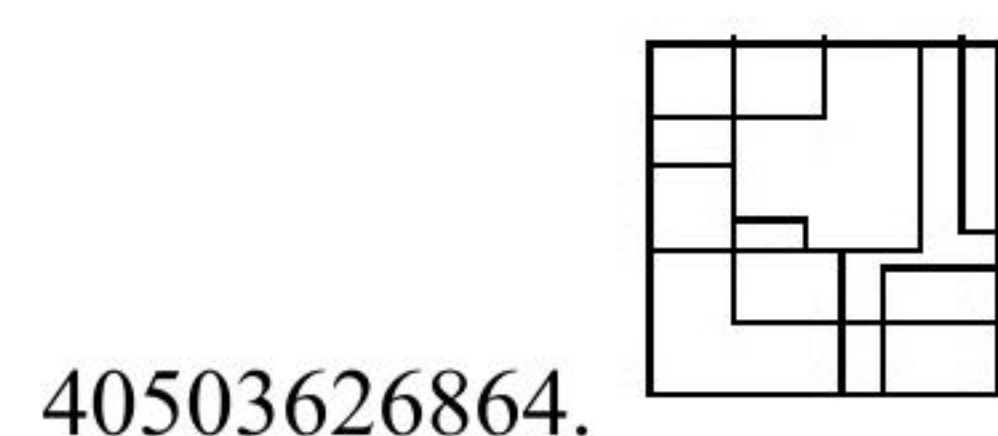
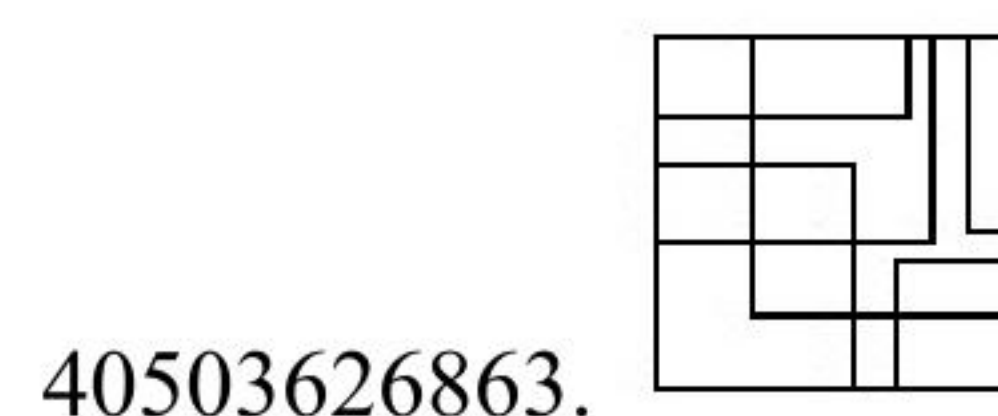
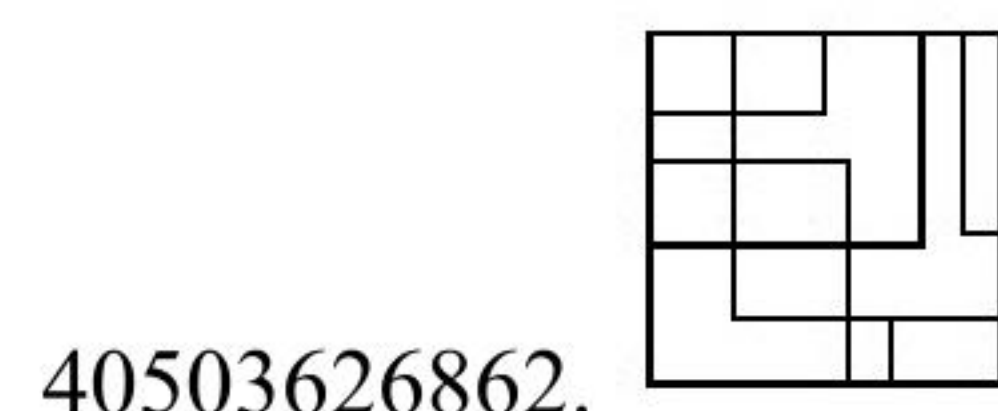
Options :



उत्तर आकृतियों में से कौन सी आकृति दी गयी प्रश्न आकृति का X – X से सम्बंधित सही दर्पण प्रतिबिम्ब है?

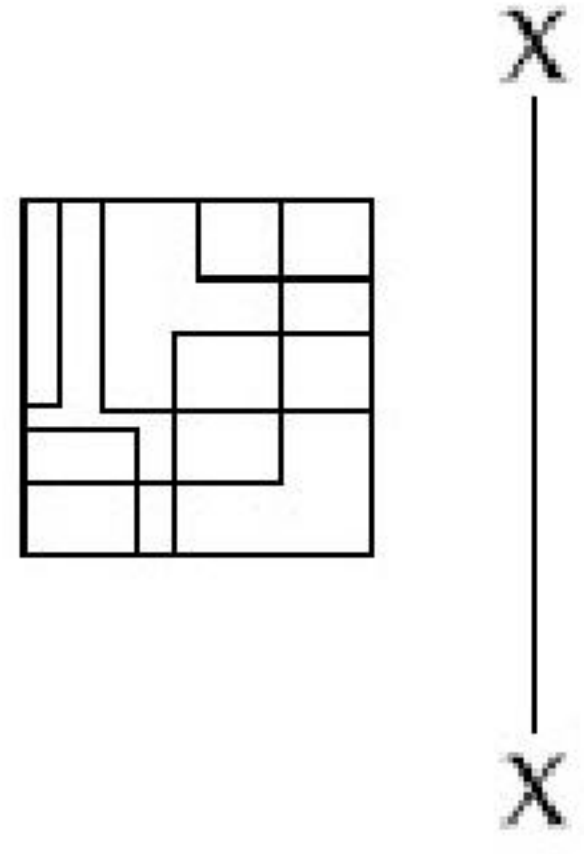


Options :

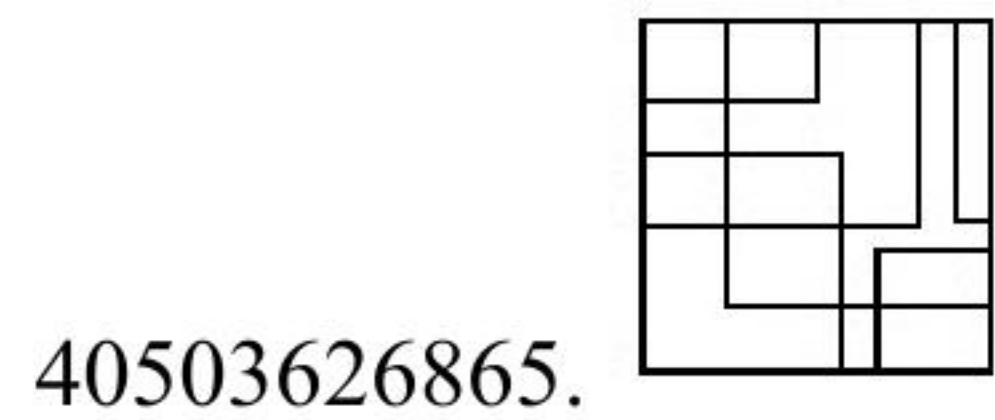
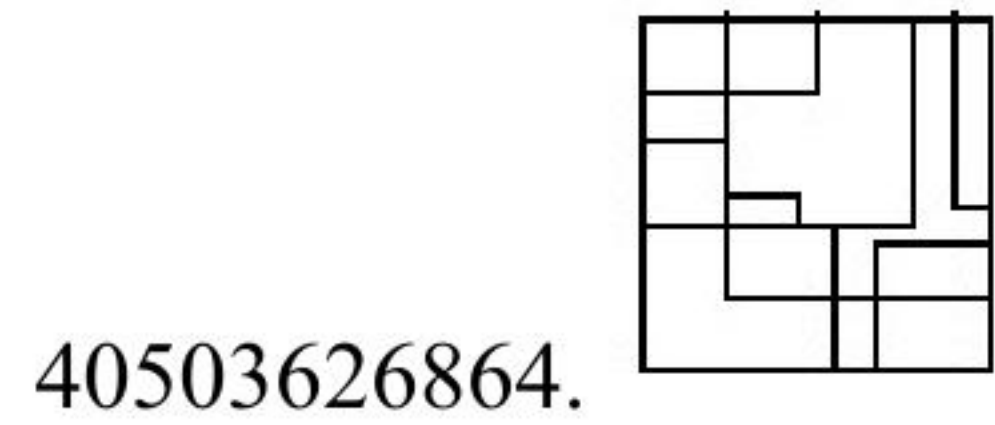
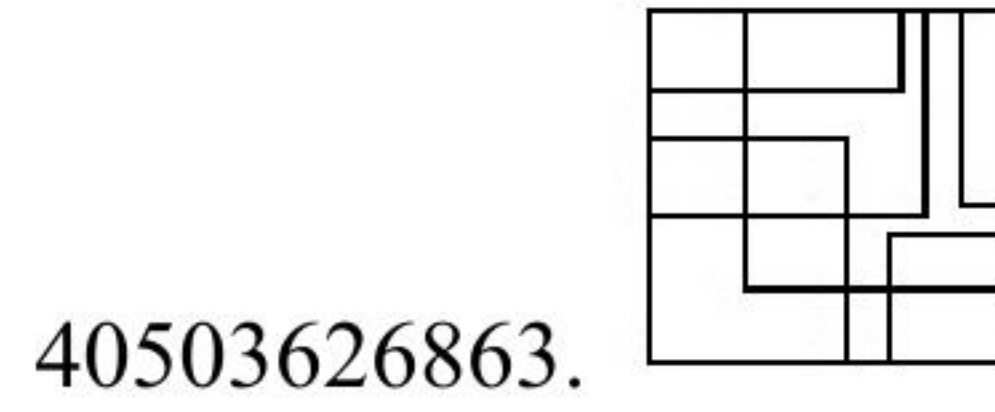
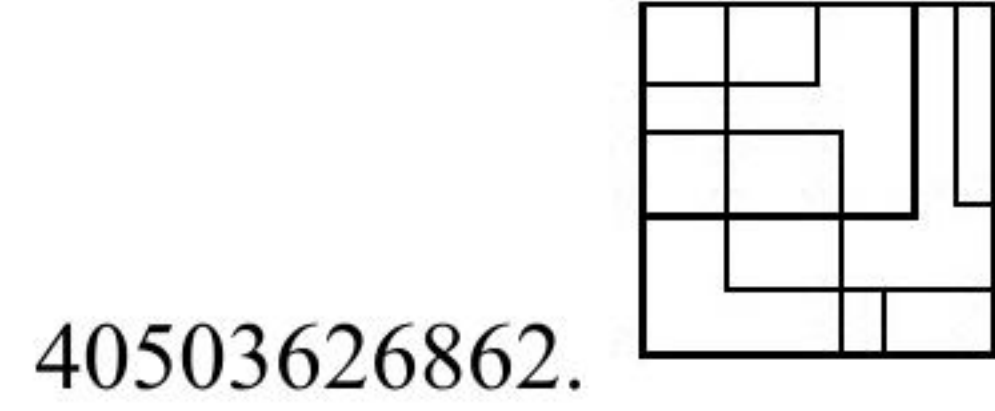


Question Number : 45 Question Id : 4050367356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ, આપેલ પ્રશ્ન આકૃતિનું X - X ની સાપેક્ષ, સાચું દર્પણ પ્રતિબિંબ (mirror image) છે ?

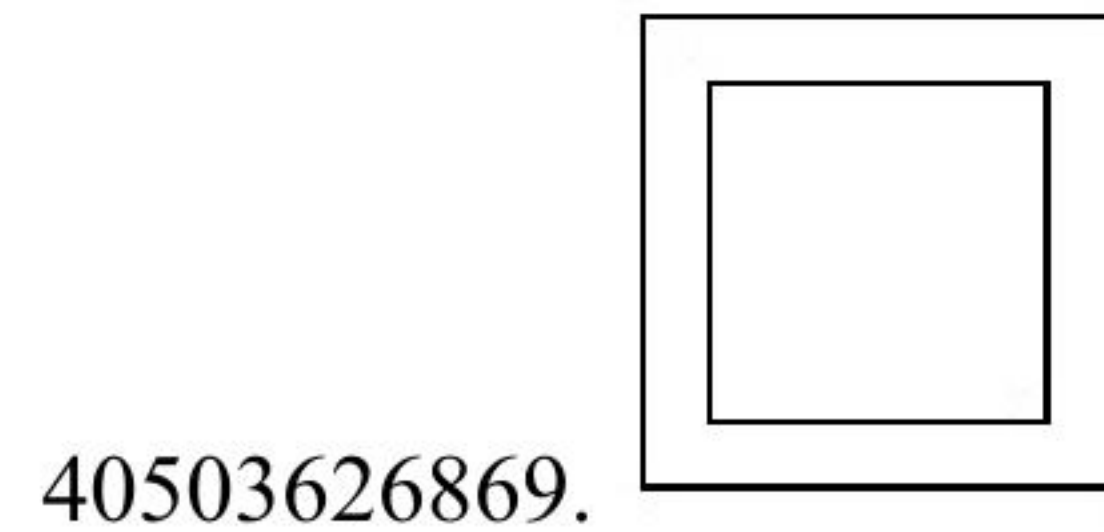
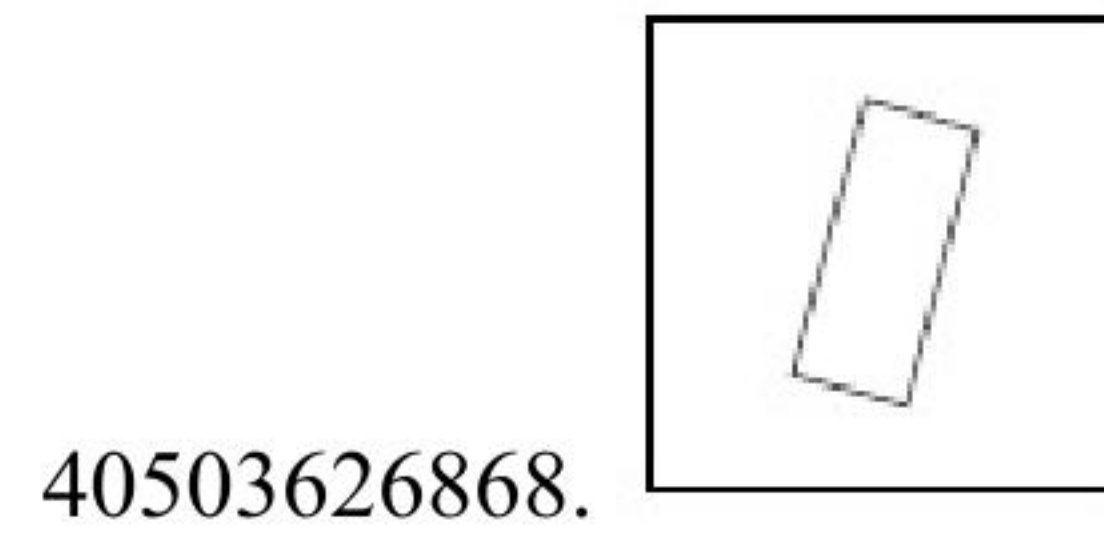
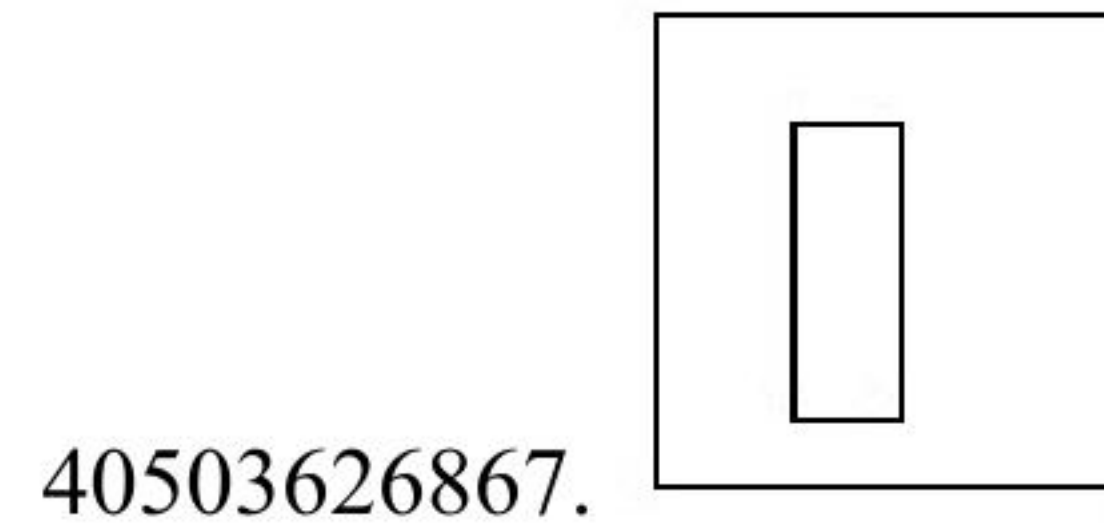
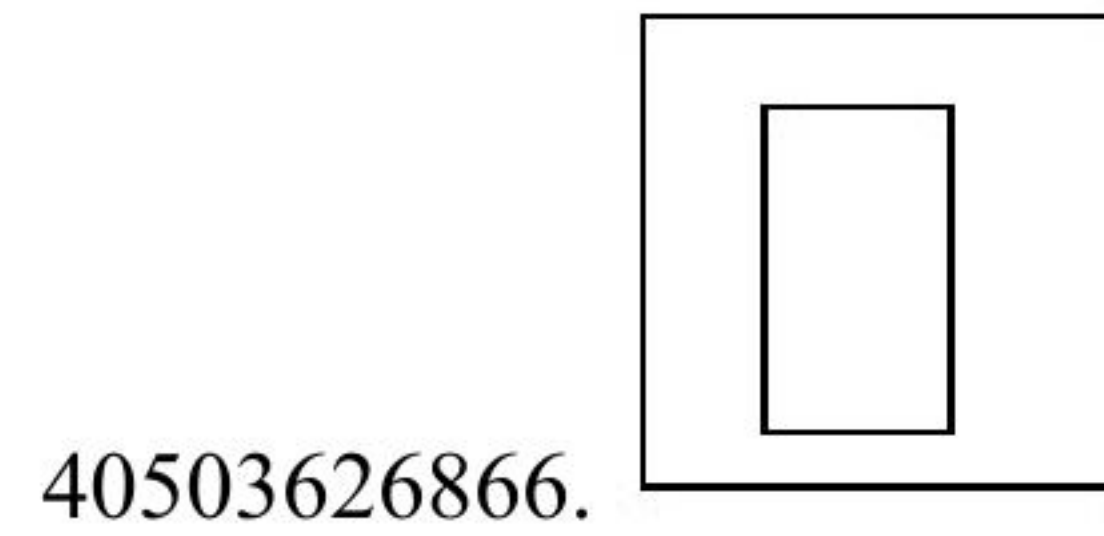


Options :



Question Number : 46 Question Id : 4050367357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Options :

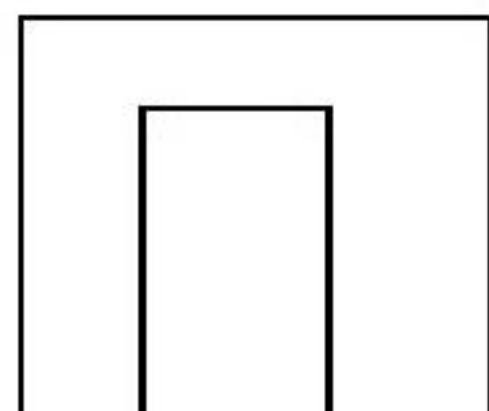


Question Number : 46 Question Id : 4050367357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

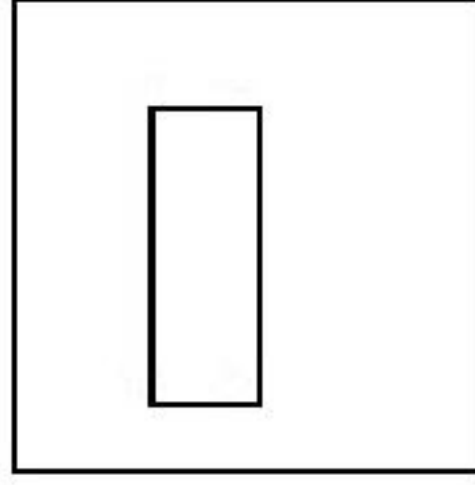
Correct Marks : 4 Wrong Marks : 1

नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

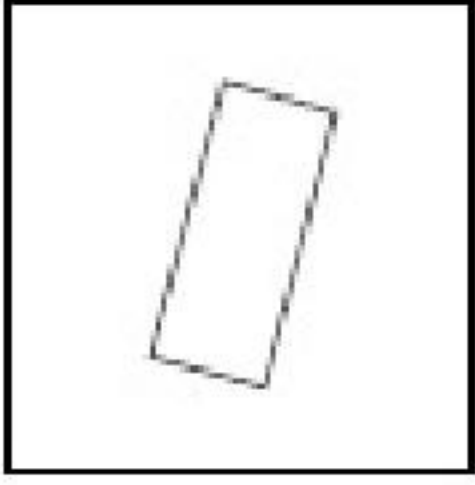
Options :



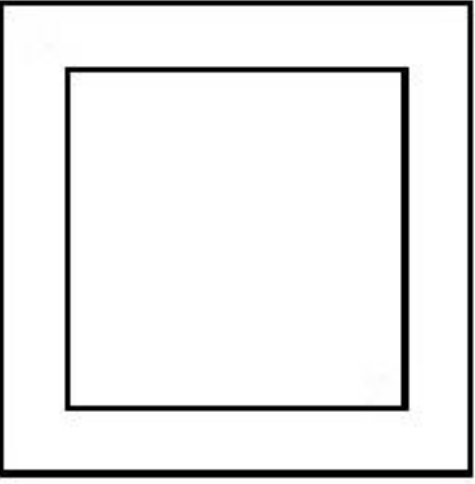
40503626867.



40503626868.



40503626869.

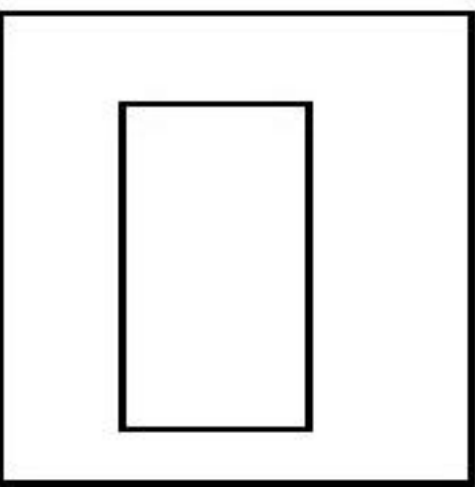


Question Number : 46 Question Id : 4050367357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

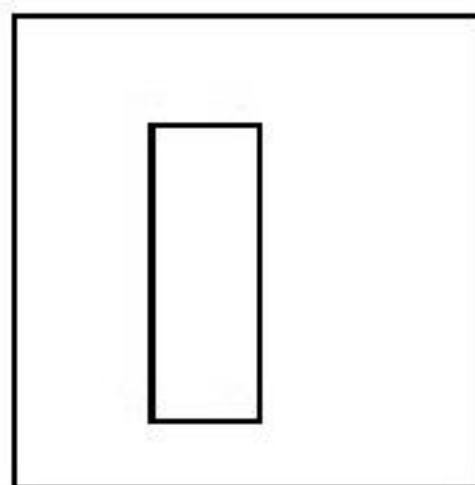
નીચે આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

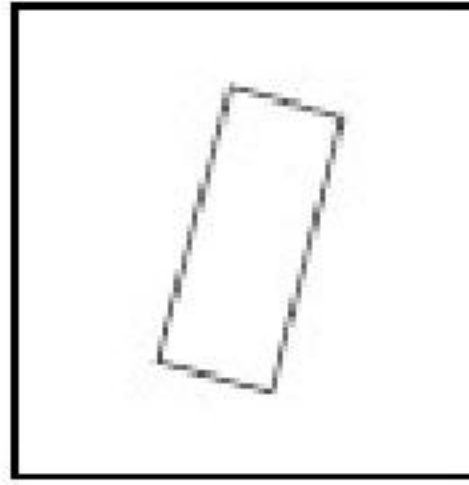
40503626866.



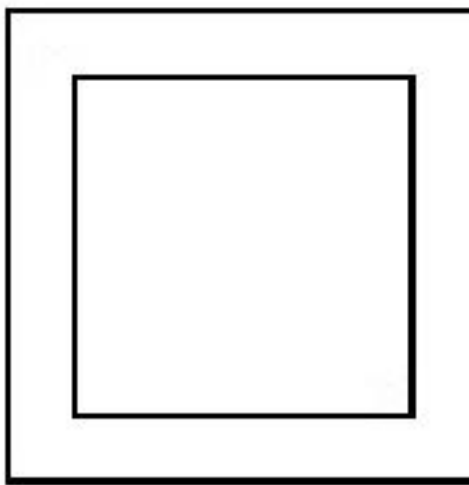
40503626867.



40503626868.



40503626869.

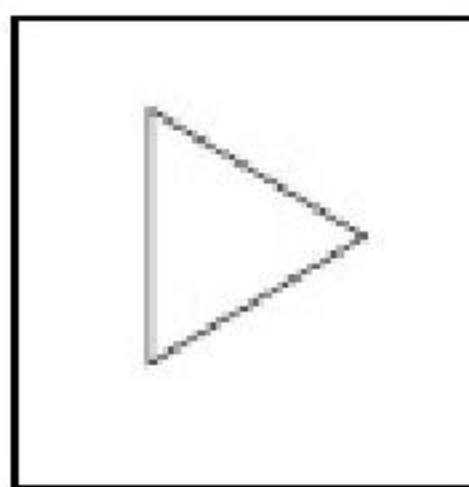


Question Number : 47 Question Id : 4050367358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

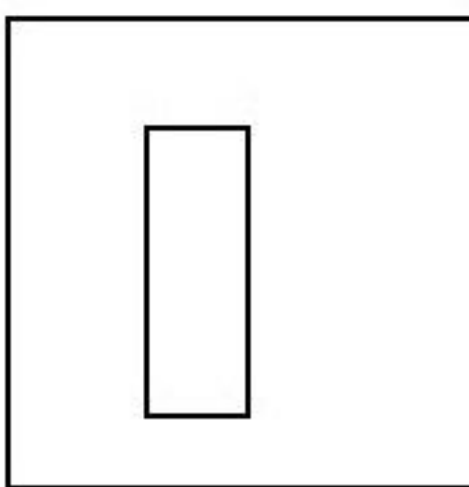
Find the odd figure out of the problem figures given below.

Options :

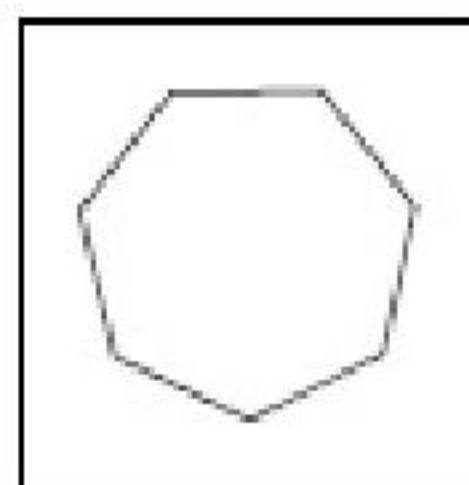
40503626870.



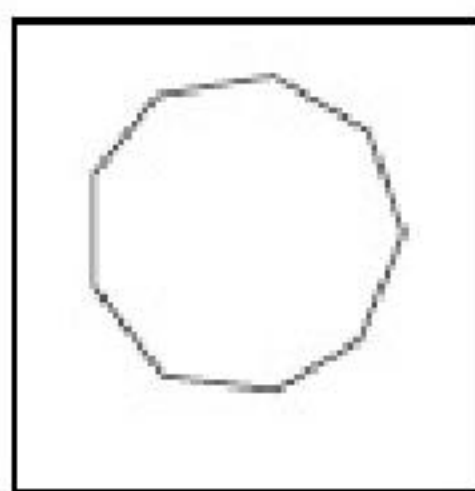
40503626871.



40503626872



40503626873.

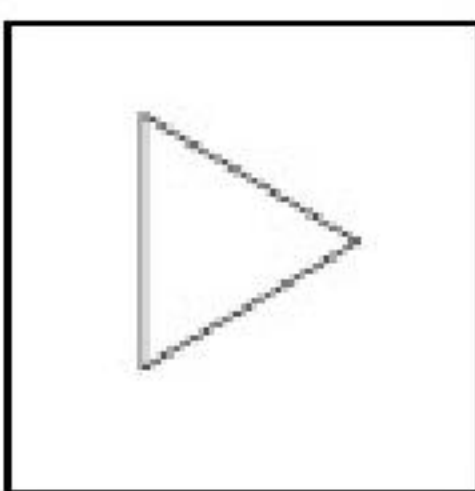


Question Number : 47 Question Id : 4050367358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

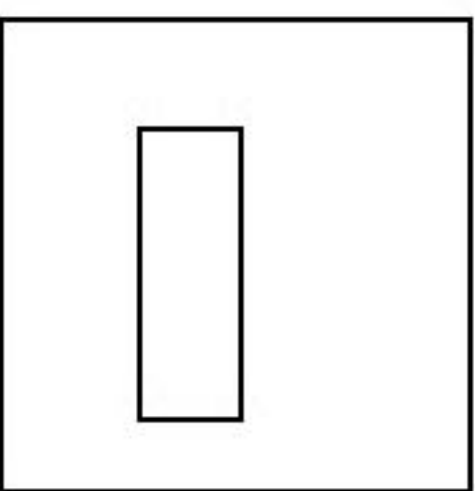
नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

Options :

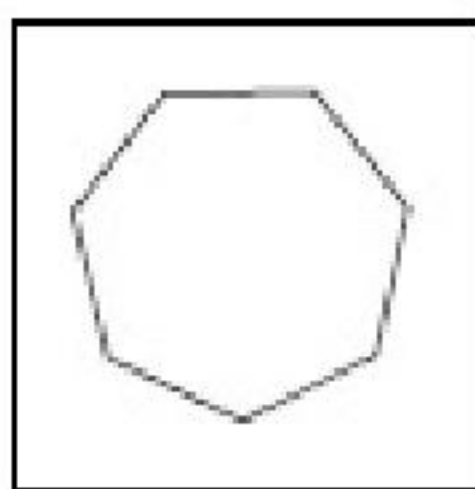
40503626870.



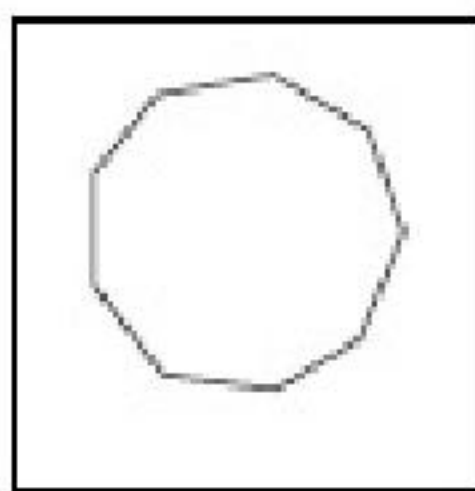
40503626871.



40503626872.



40503626873.

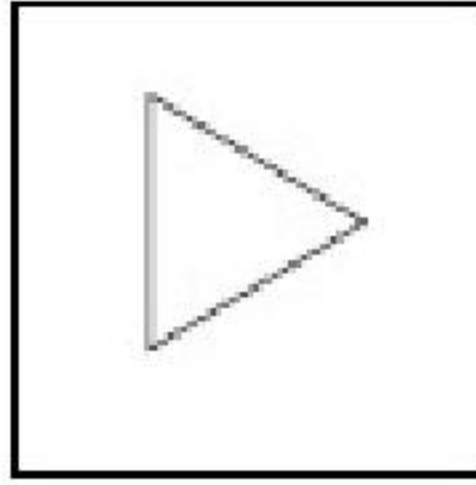


Question Number : 47 Question Id : 4050367358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

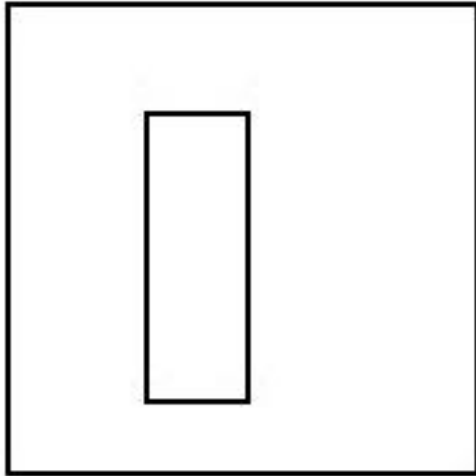
નીચે આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

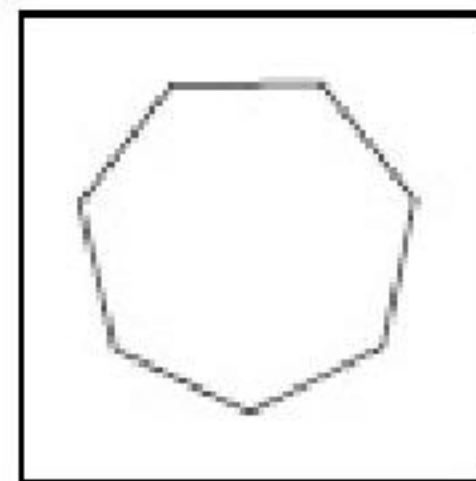
40503626870.



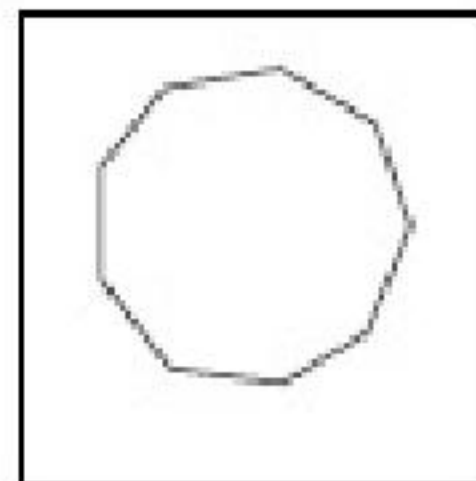
40503626871.



40503626872.



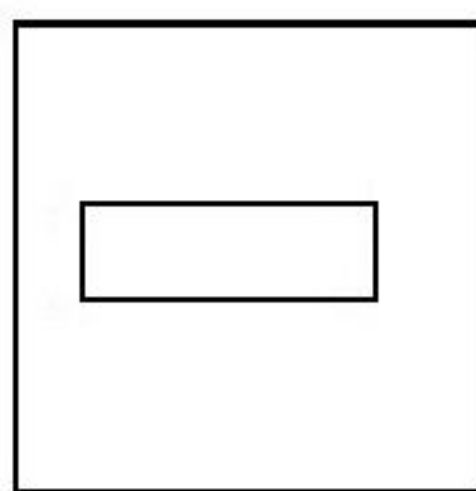
40503626873.



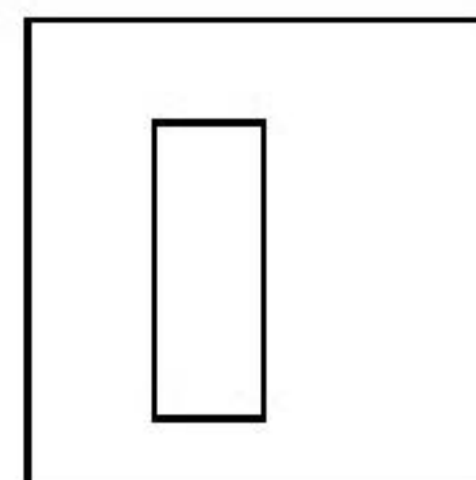
Question Number : 48 Question Id : 4050367359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Find the odd figure out of the problem figures given below

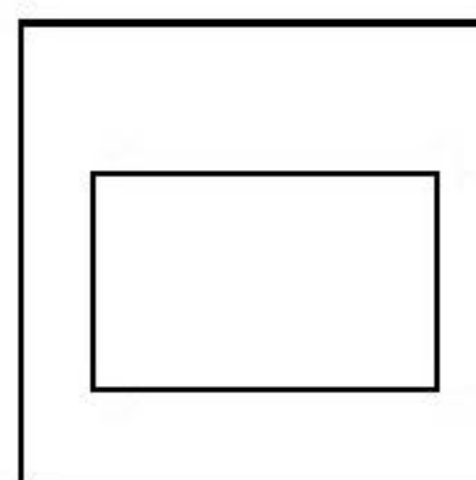
40503626874.



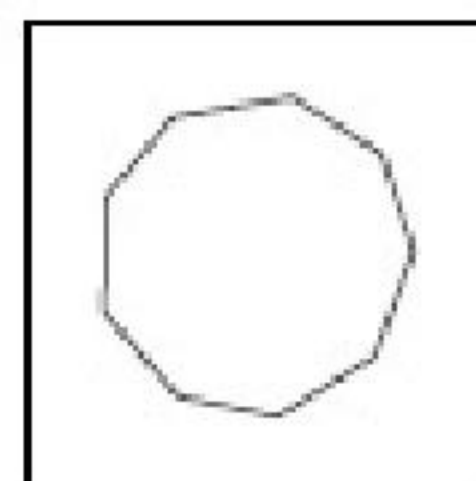
40503626875.



40503626876.



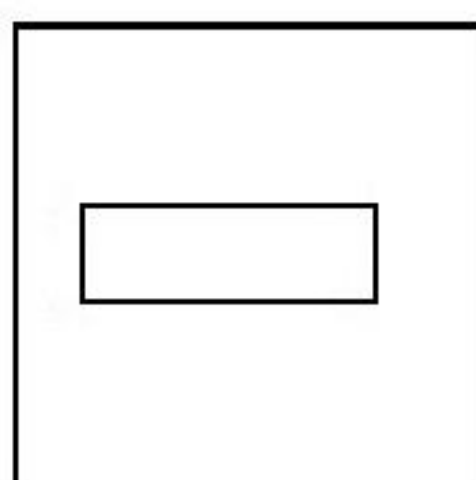
40503626877.



Question Number : 48 Question Id : 4050367359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

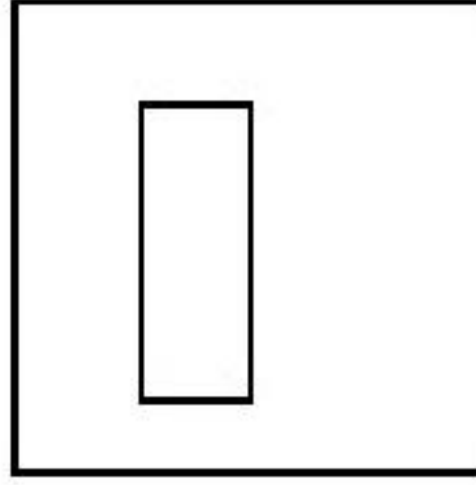
नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

Options :

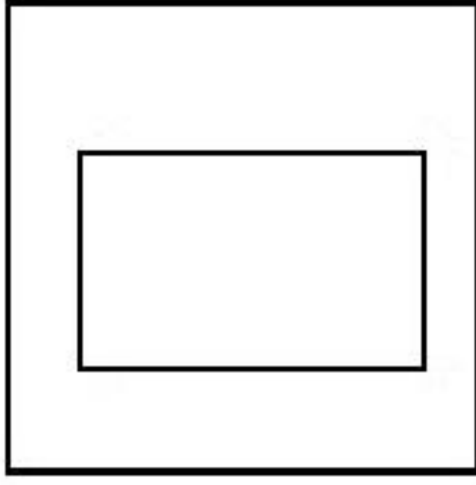


40503626874

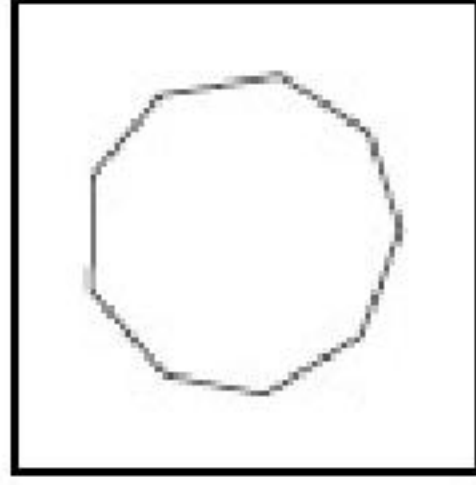
40503626875.



40503626876.



40503626877.

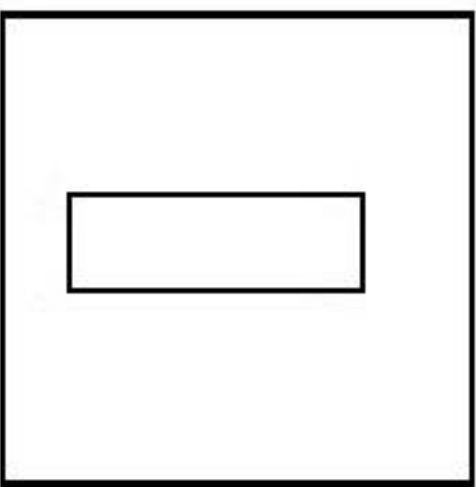


Question Number : 48 Question Id : 4050367359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

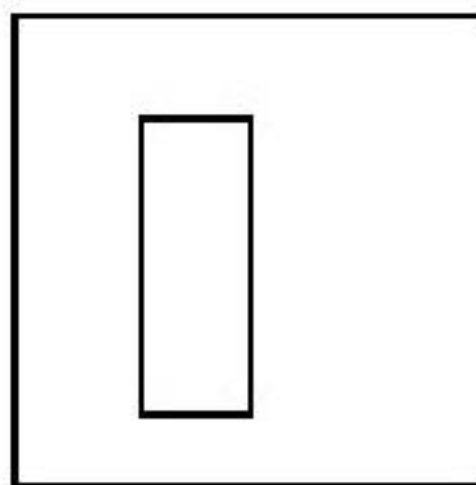
નીચે આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

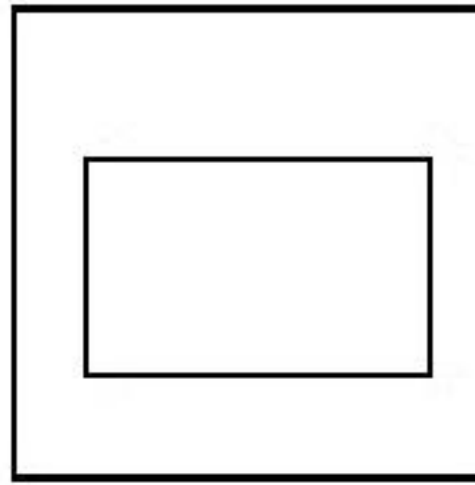
40503626874.



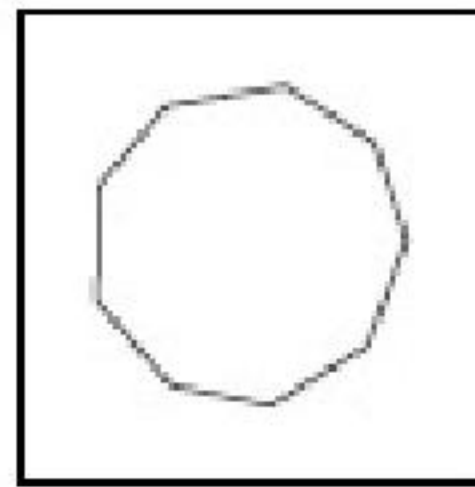
40503626875



40503626876.



40503626877.

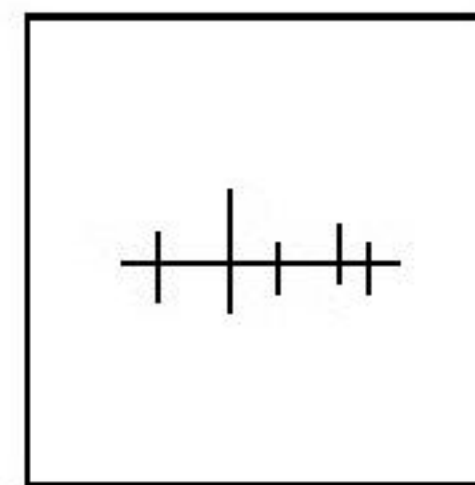


Question Number : 49 Question Id : 4050367360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

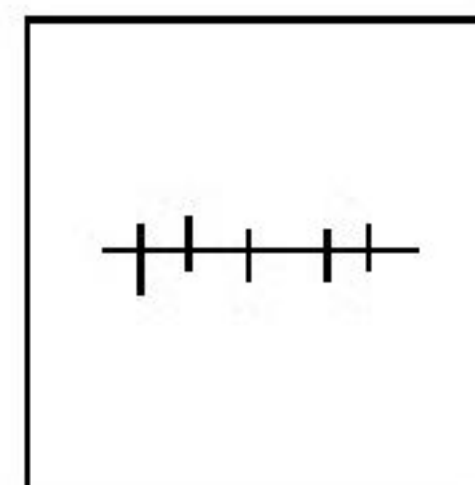
Find the odd figure out of the problem figures given below.

Options :

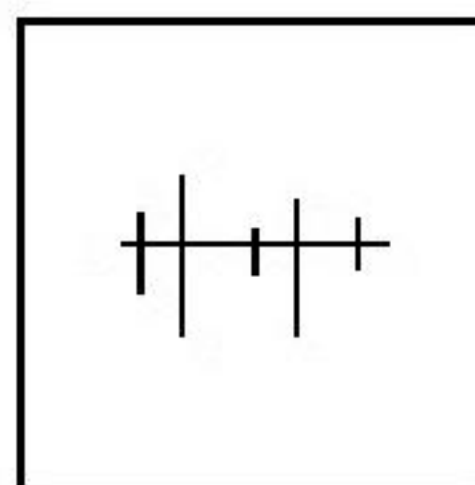
40503626878.

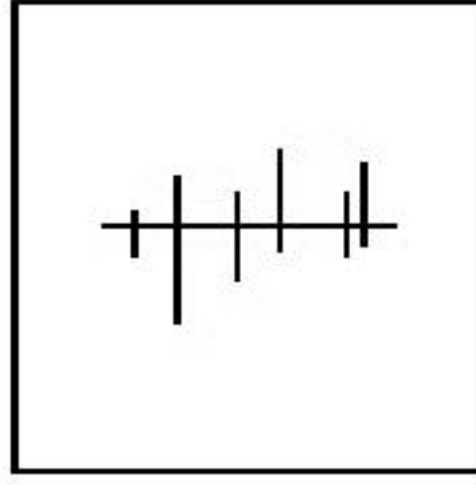


40503626879.



40503626880.



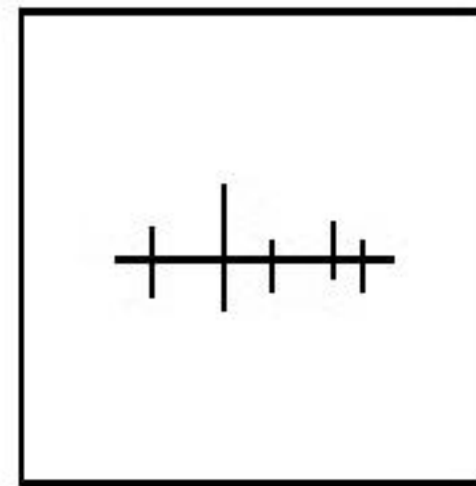


40503626881.

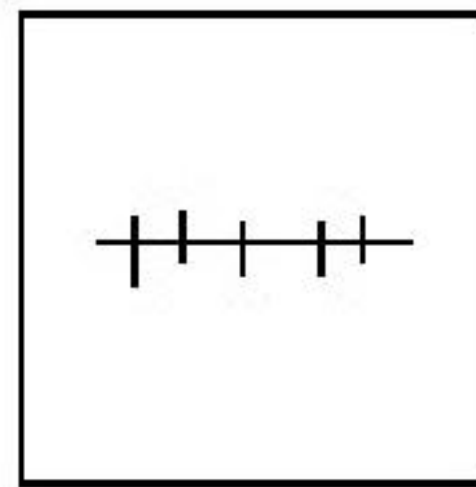
Question Number : 49 Question Id : 4050367360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

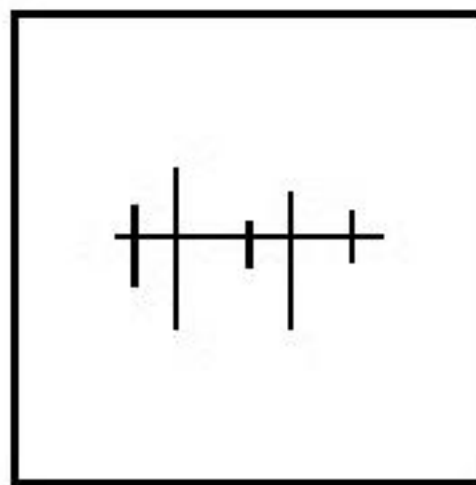
Options :



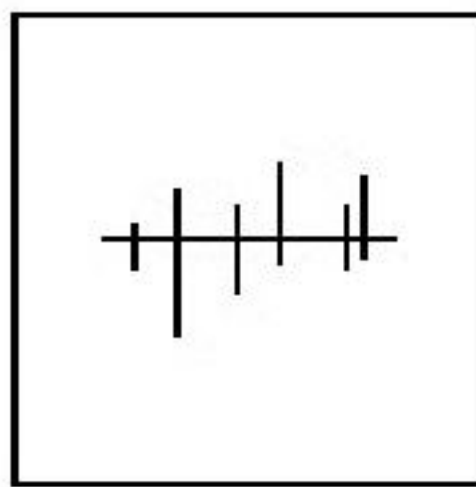
40503626878.



40503626879.



40503626880.

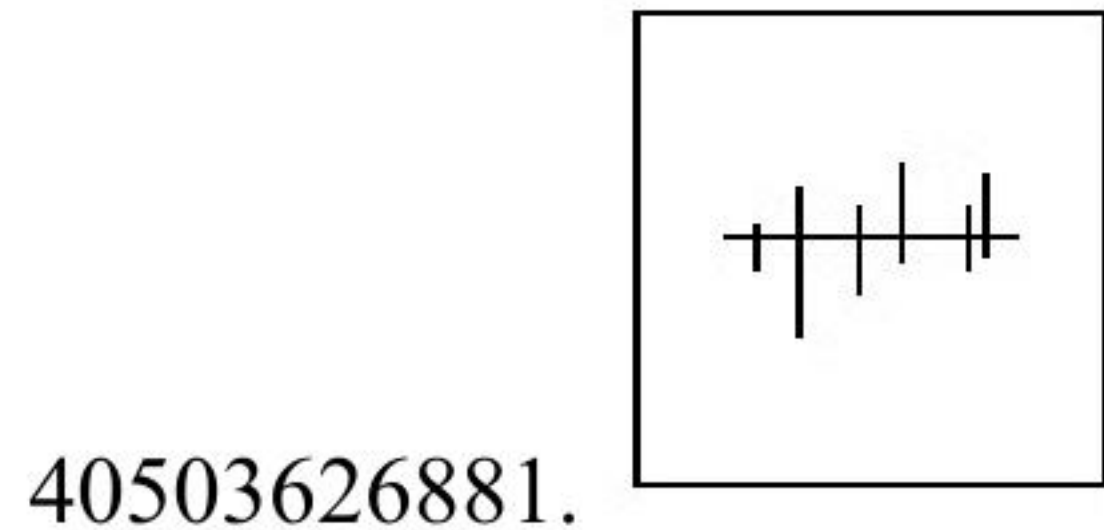
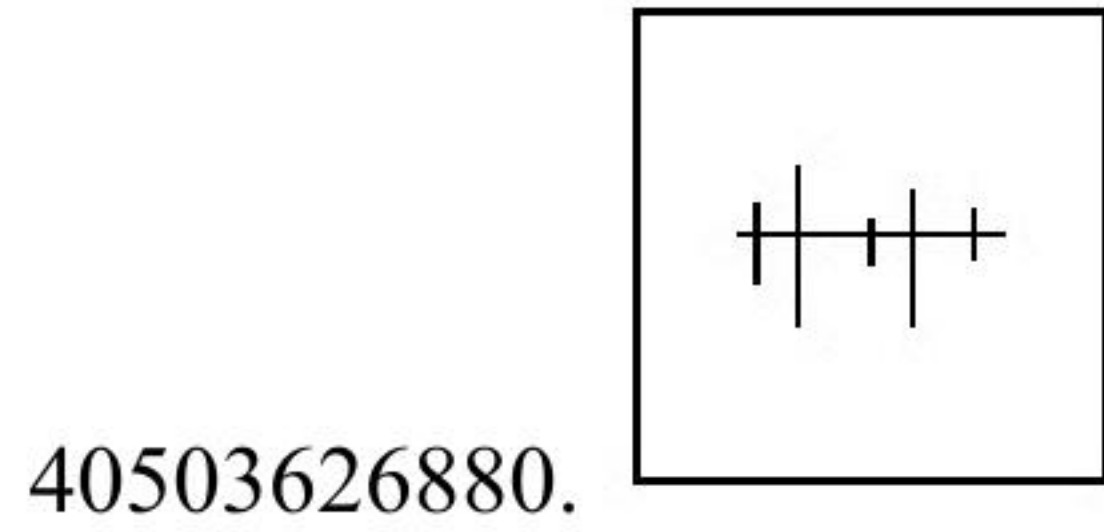
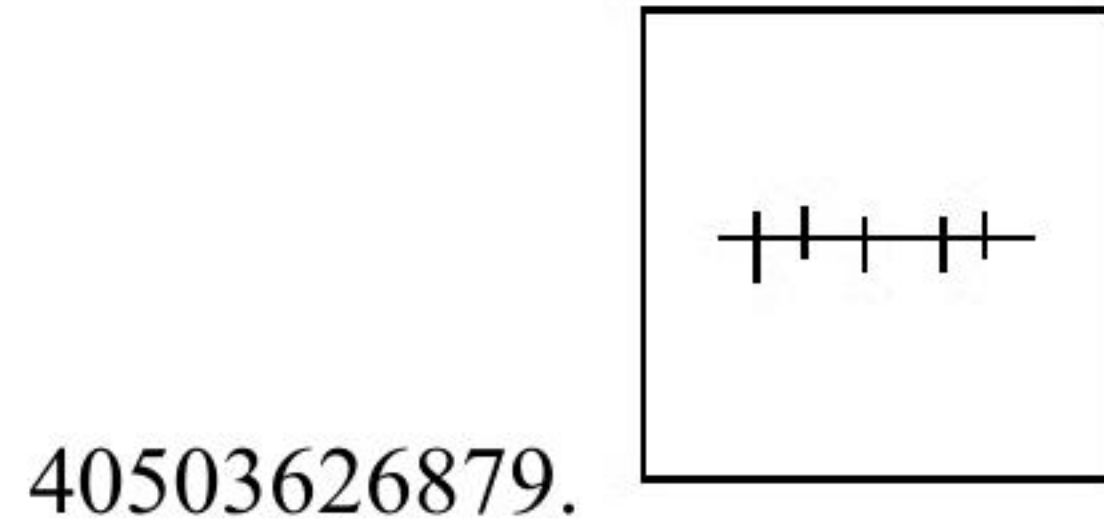
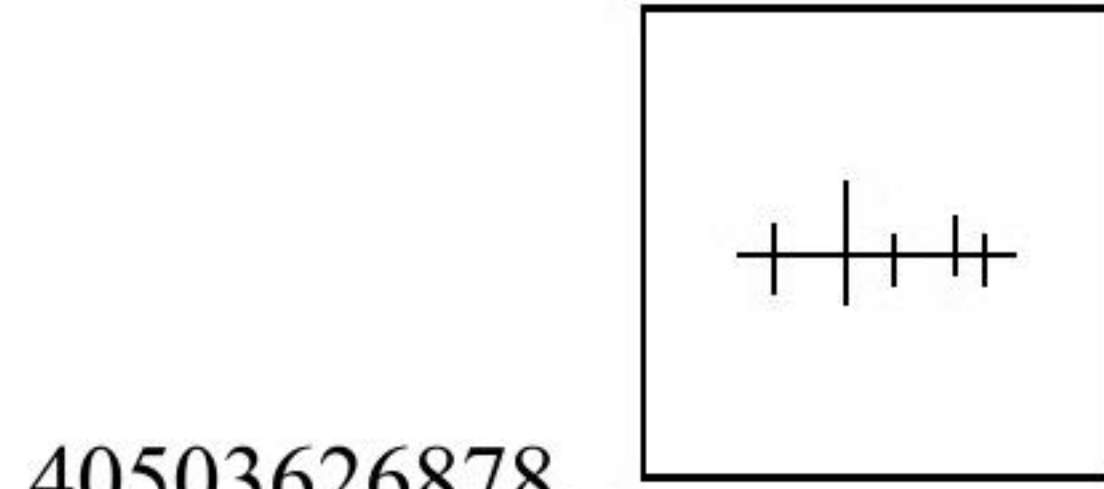


40503626881

Question Number : 49 Question Id : 4050367360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

નીચે આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

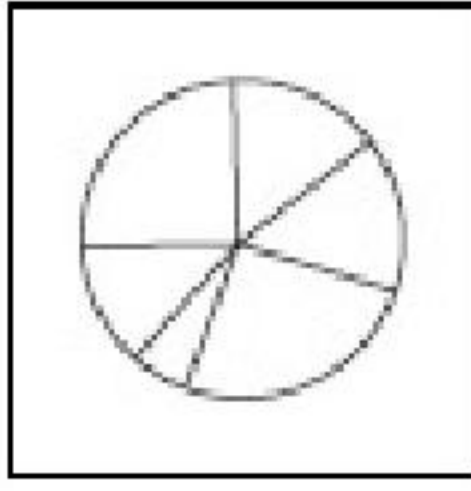
Options :



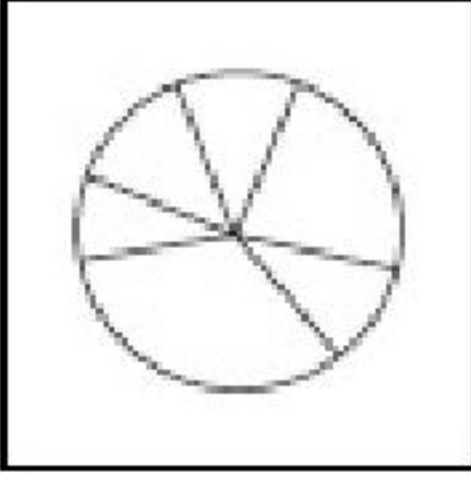
Question Number : 50 Question Id : 4050367361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Options :

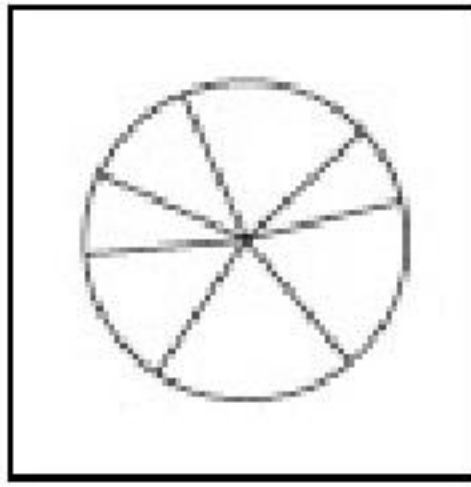
40503626882.



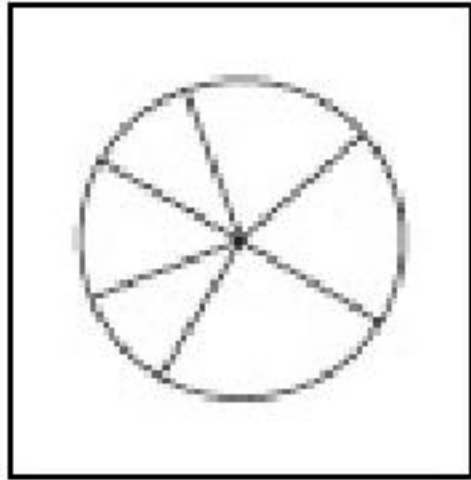
40503626883.



40503626884.



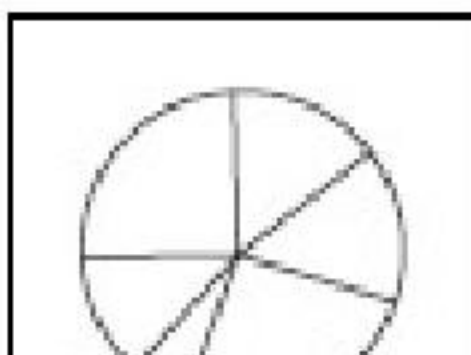
40503626885.



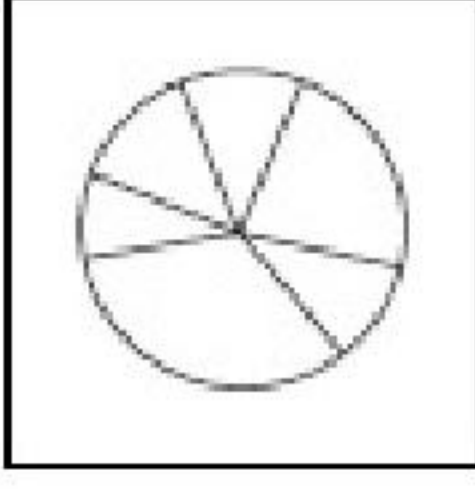
Question Number : 50 Question Id : 4050367361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

नीचे दी गयी प्रश्न आकृतियों में से विषम आकृति पहचानिये।

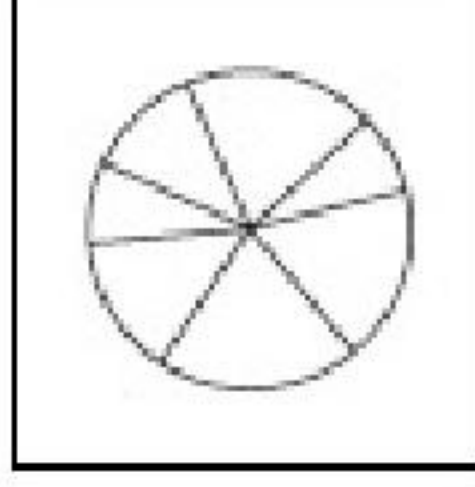
Options :



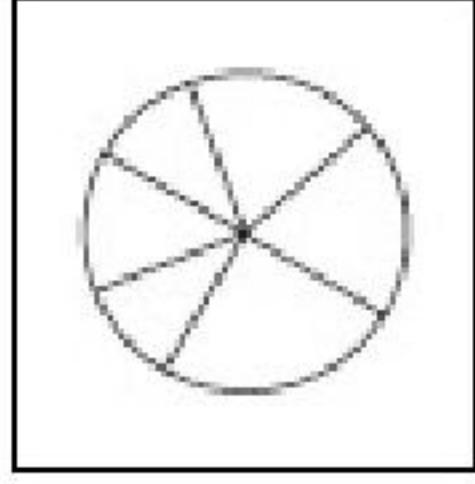
40503626883.



40503626884.



40503626885.

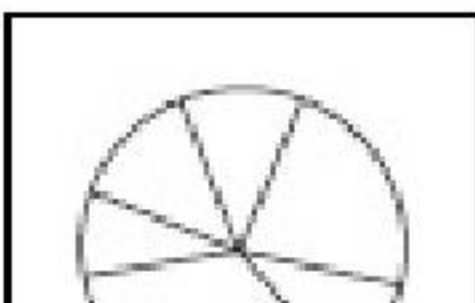
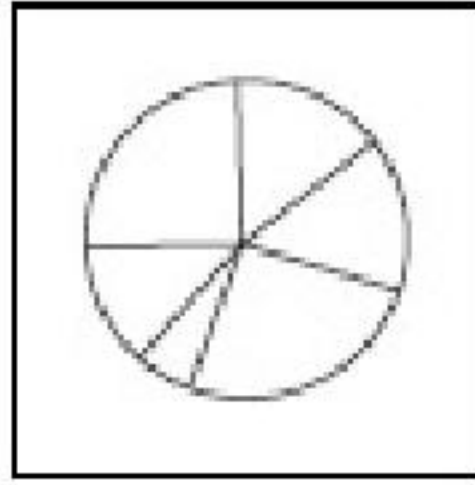


Question Number : 50 Question Id : 4050367361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

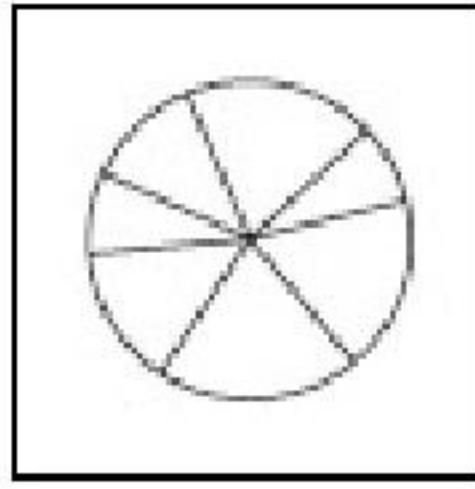
નીચે આપેલ પ્રશ્ન આકૃતિઓમાંથી વિષમ આકૃતિ (odd figure) શોધો.

Options :

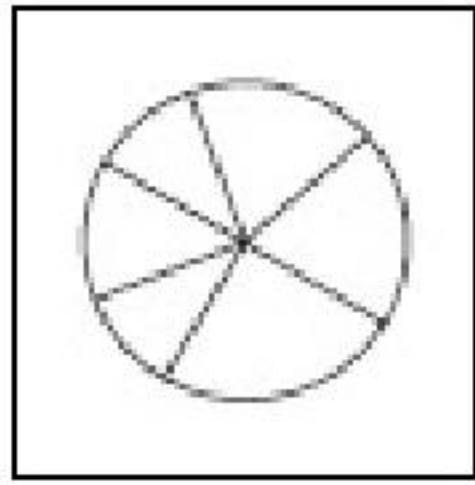
40503626882.



40503626884.

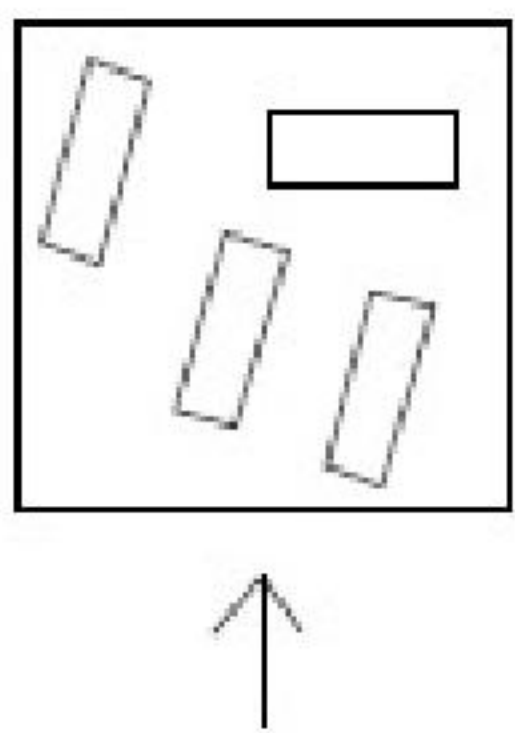


40503626885.



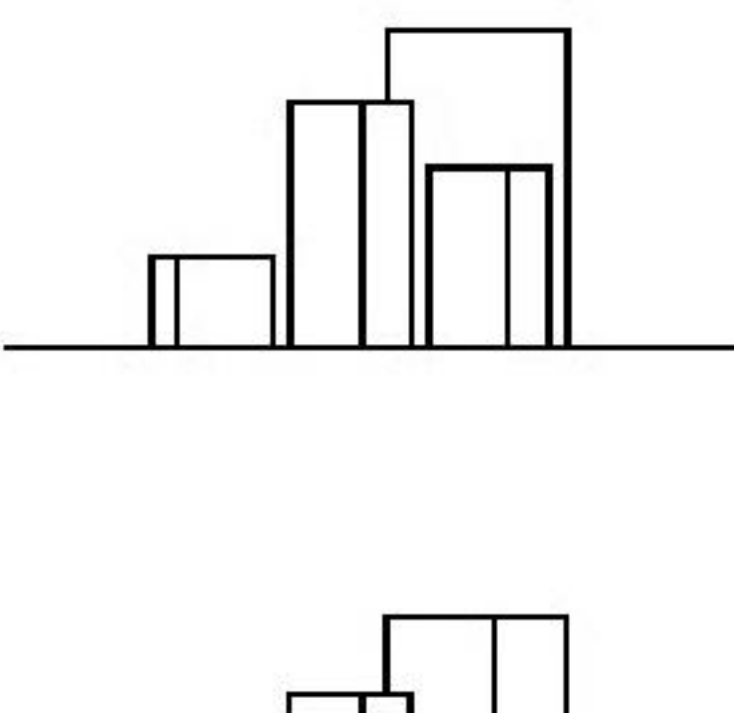
Question Number : 51 Question Id : 4050367362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

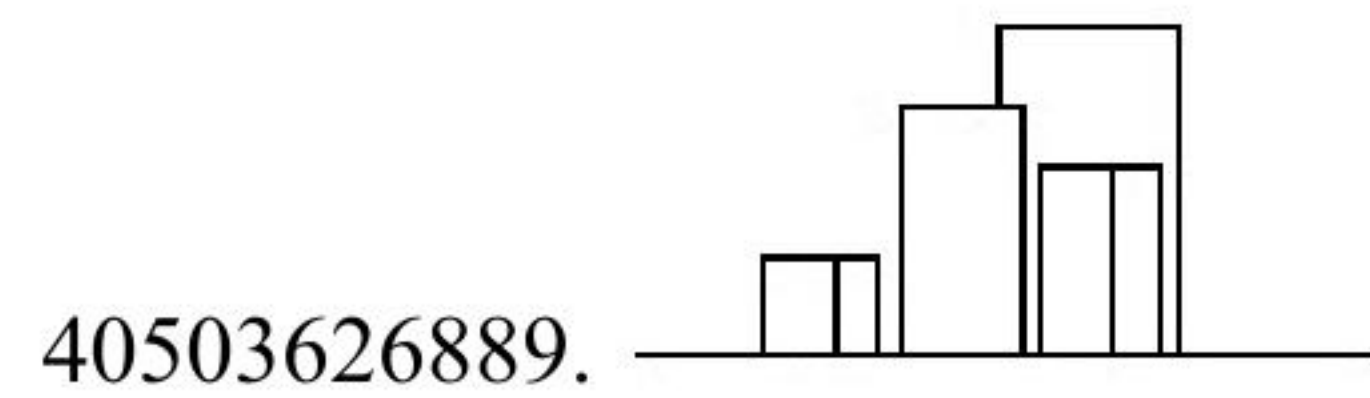
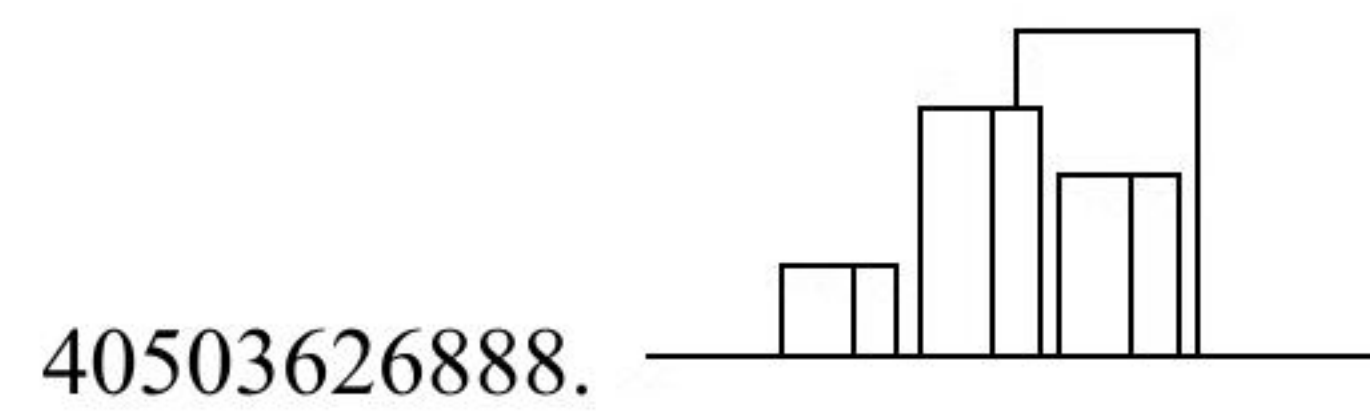
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.



Options :

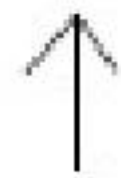
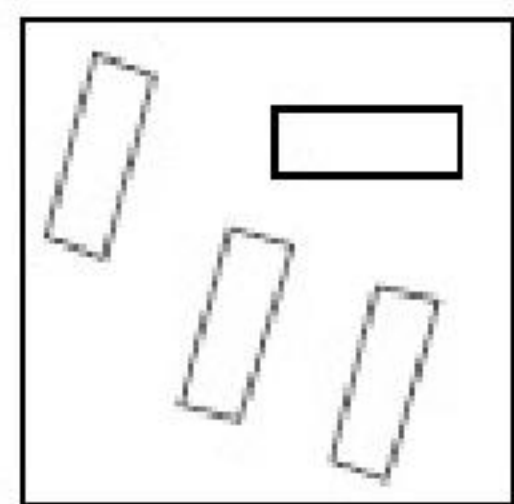
40503626886.



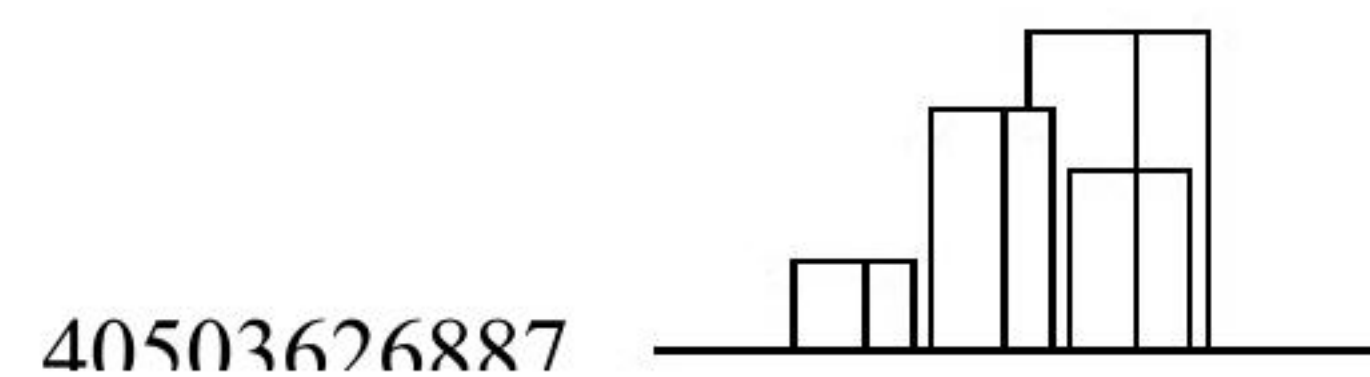
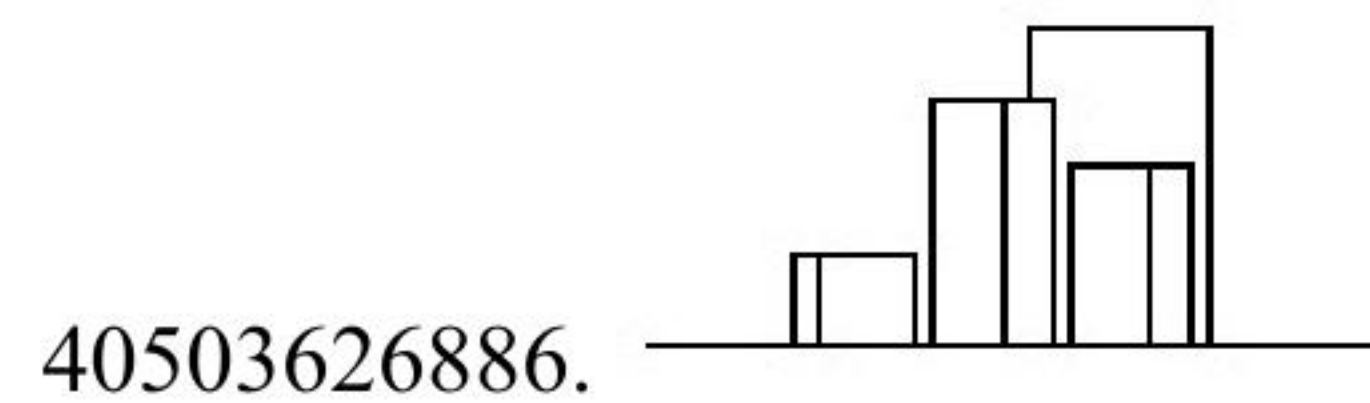


Question Number : 51 Question Id : 4050367362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

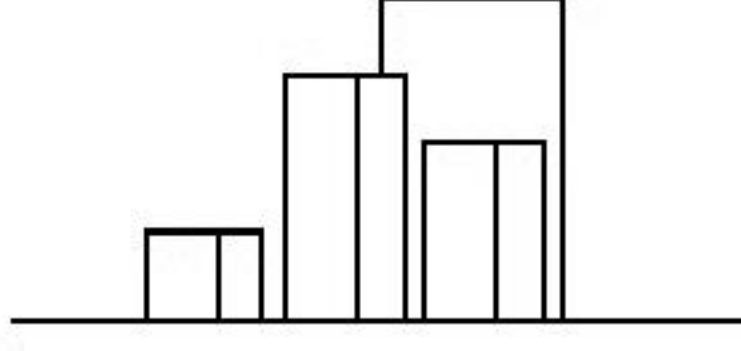
प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।



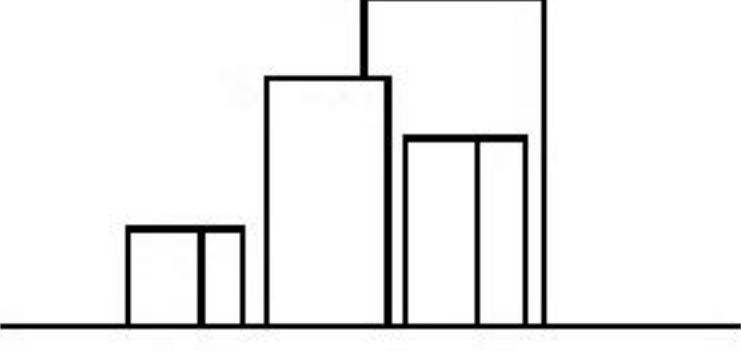
Options :



40503626888.

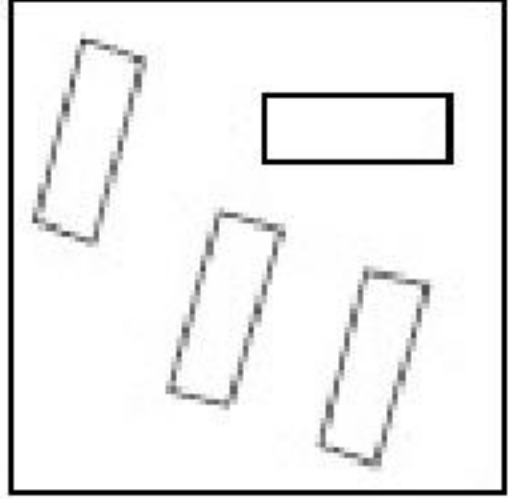


40503626889.



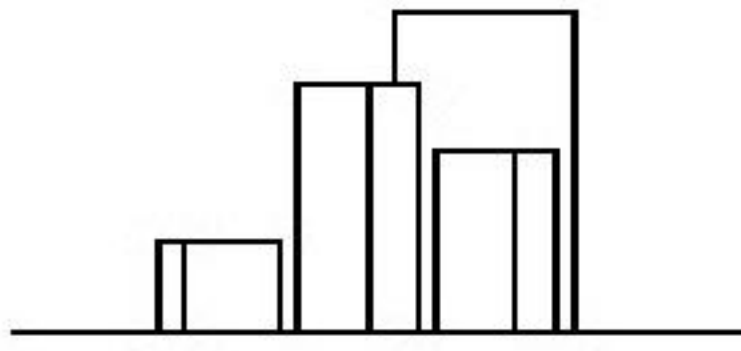
Question Number : 51 Question Id : 4050367362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિમાં કેટલીક વસ્તુઓનું ઉપરી દૃશ્ય (top view) બતાવવામાં આવ્યું છે. ત્રીસની દિશામાં જોતાં, જવાબ આકૃતિઓમાંથી આનું સાચું ઉન્નત દૃશ્ય (elevation) ઓળખો.

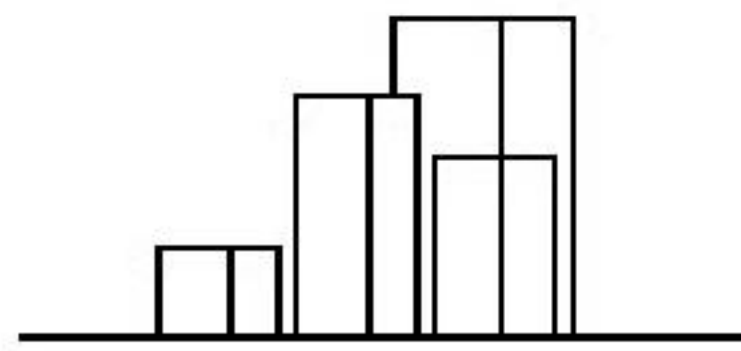


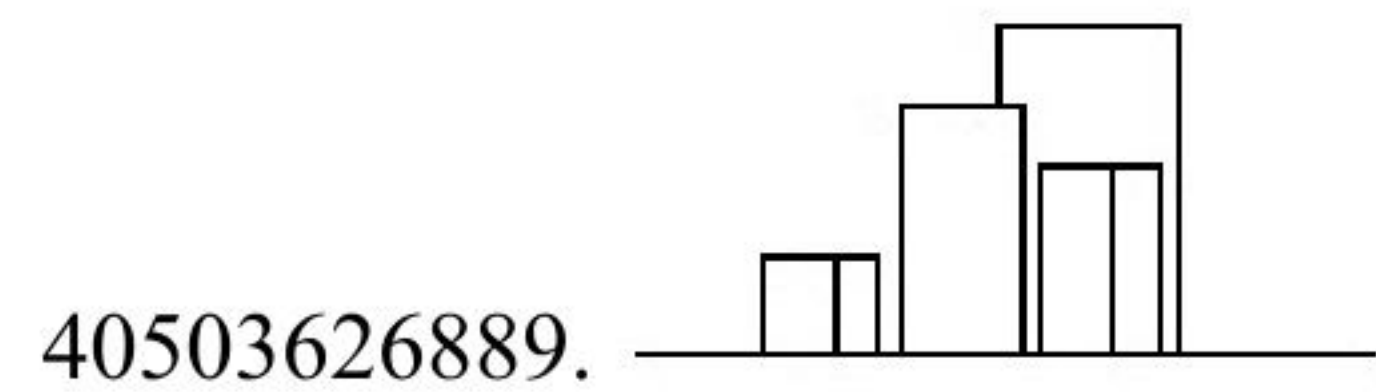
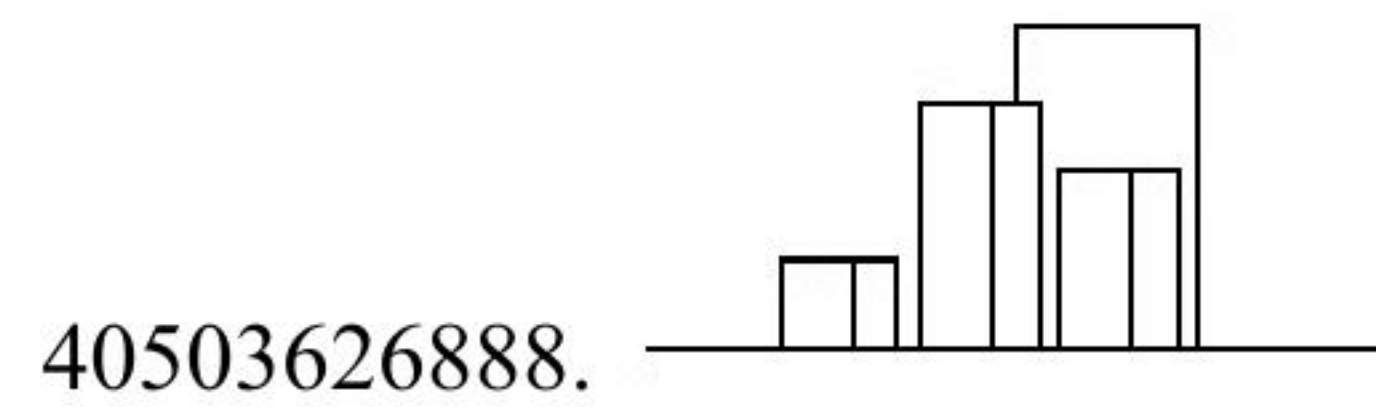
Options :

40503626886.



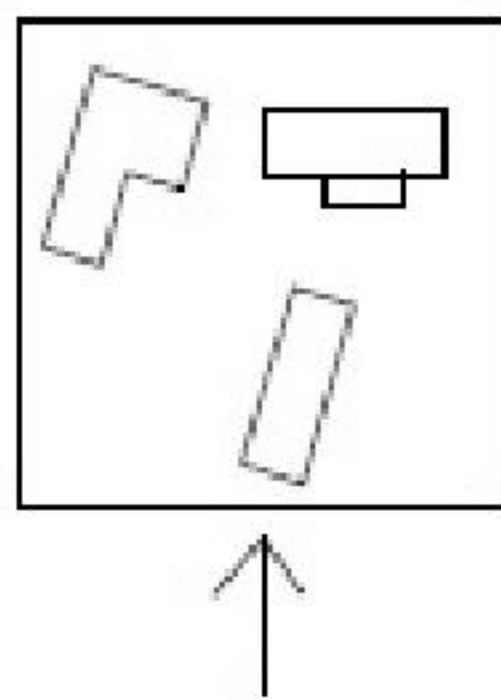
40503626887.



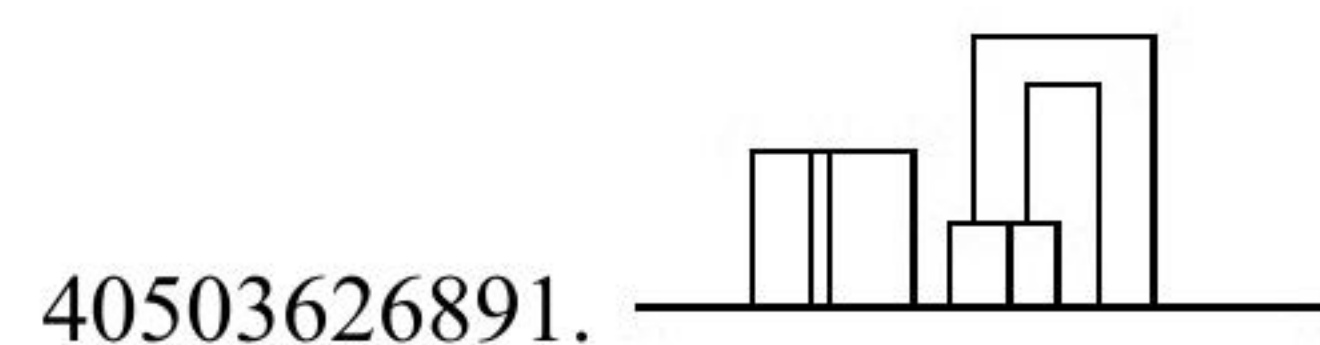
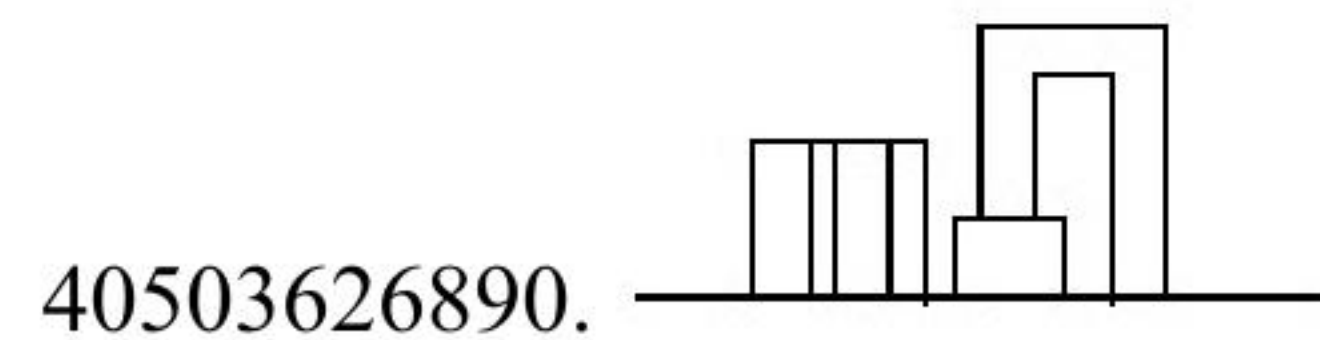


Question Number : 52 Question Id : 4050367363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

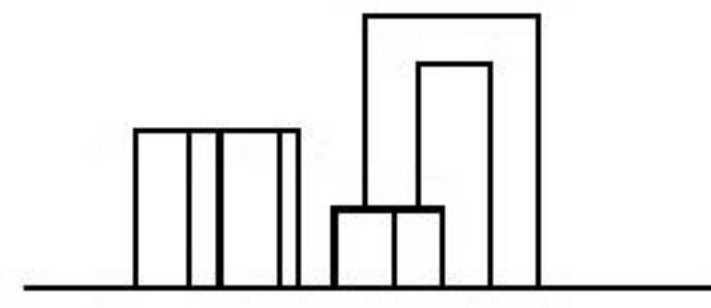
The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.



Options :

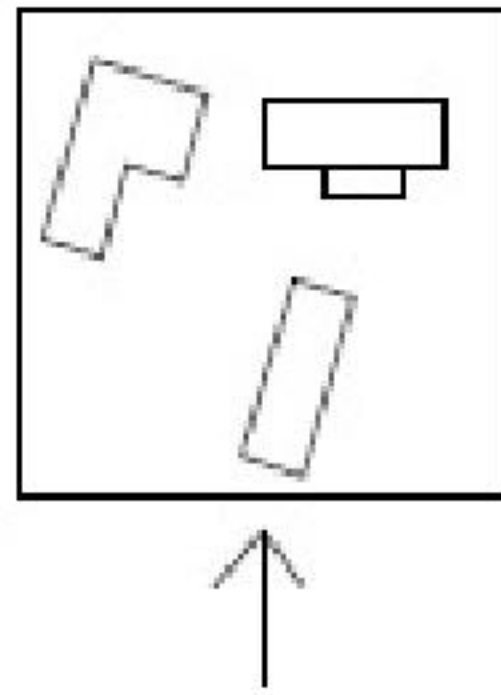


40503626893.



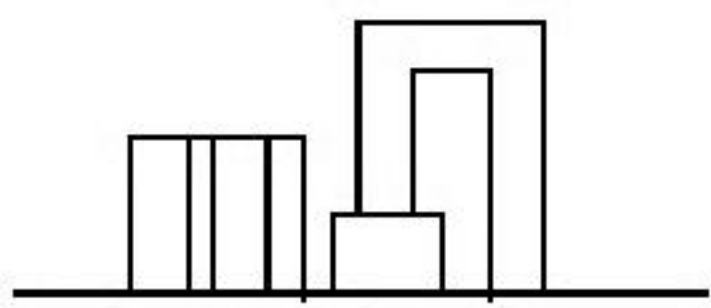
Question Number : 52 Question Id : 4050367363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

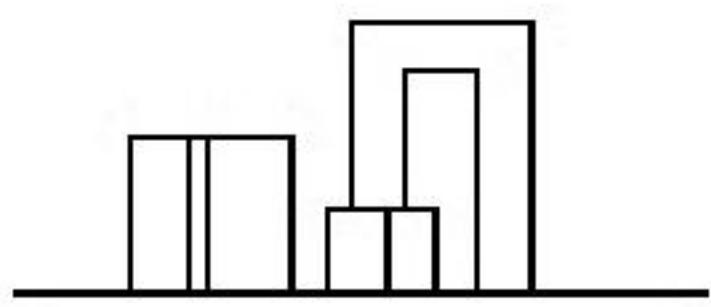


Options :

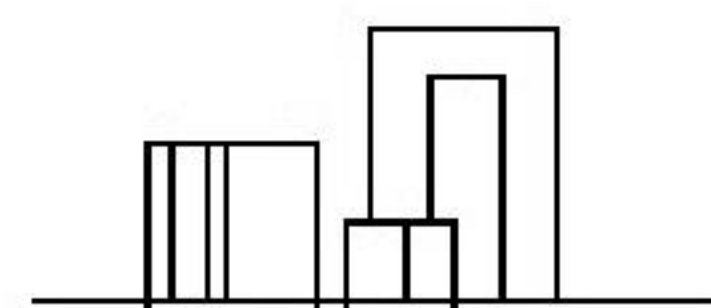
40503626890.



40503626891.

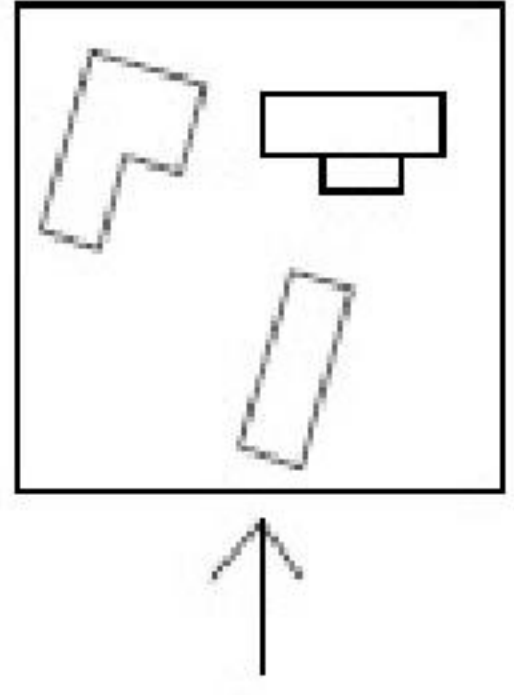


40503626892.

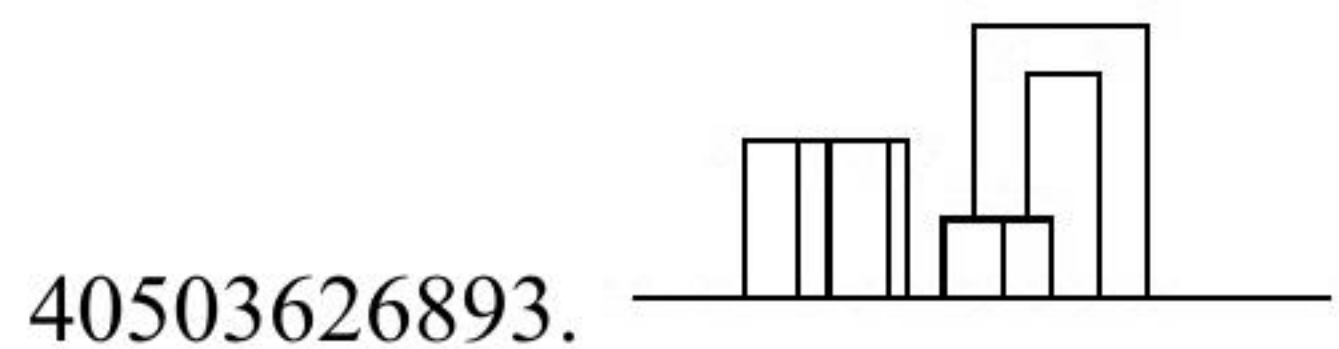
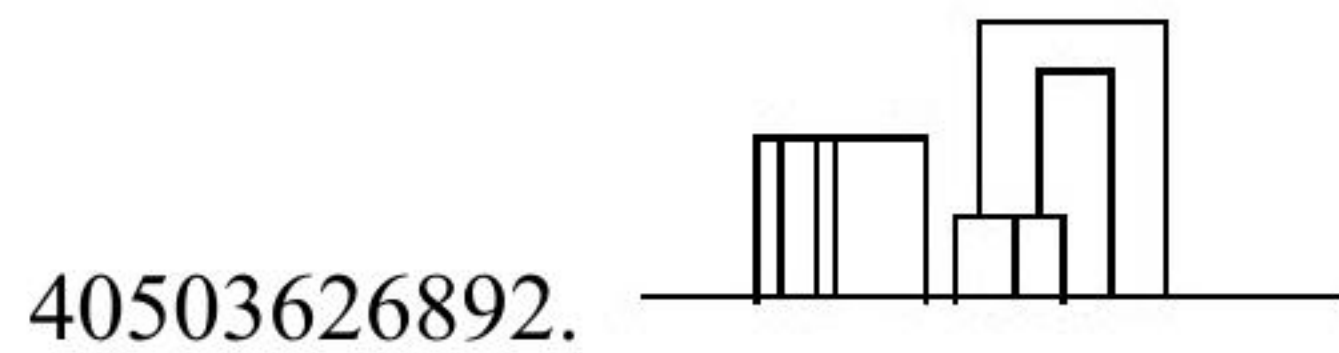
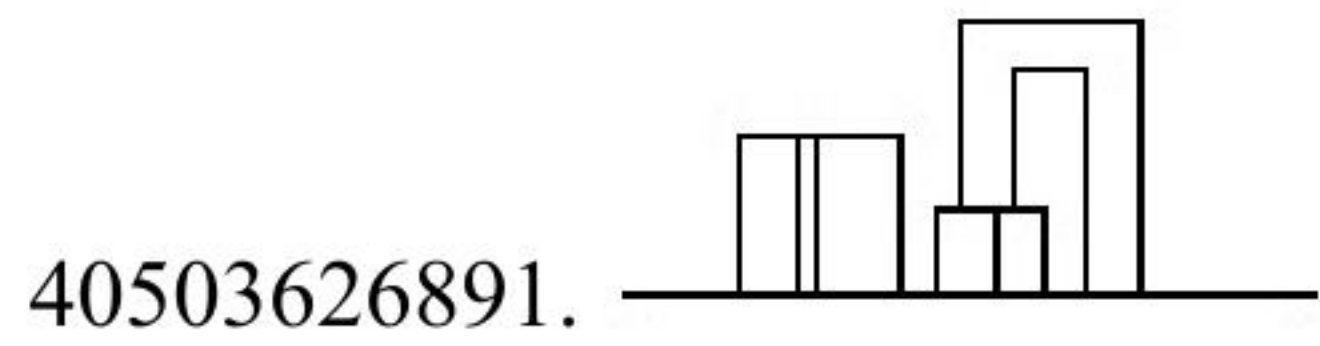
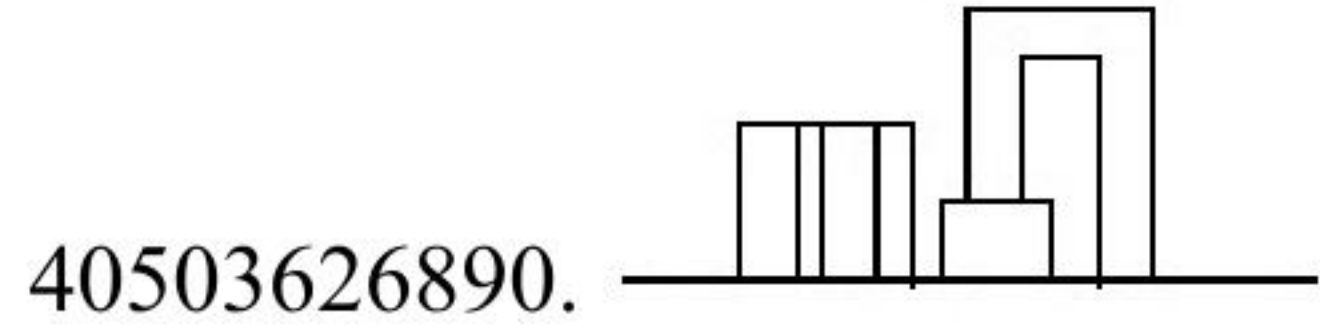


Question Number : 52 Question Id : 4050367363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિમાં કેટલીક વસ્તુઓનું ઉપરી દૃશ્ય (top view) બતાવવામાં આવ્યું છે. ત્રીસની દિશામાં જોતાં, જવાબ આકૃતિઓમાંથી આનું સાચું ઉન્નત દૃશ્ય (elevation) ઓળખો.

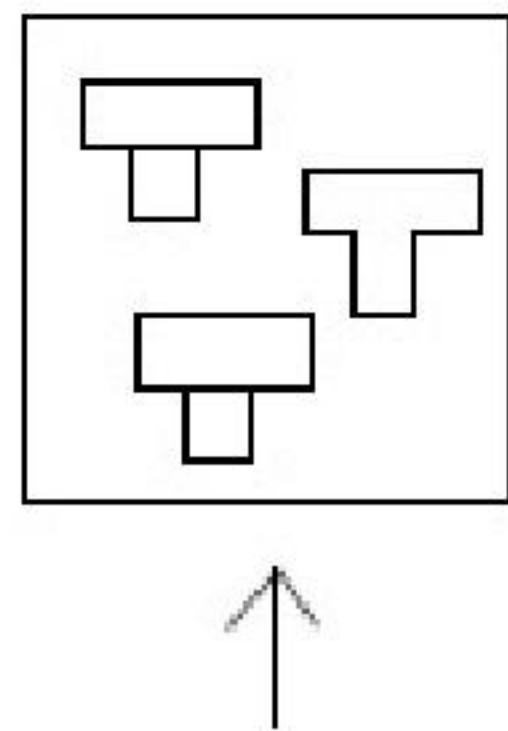


Options :

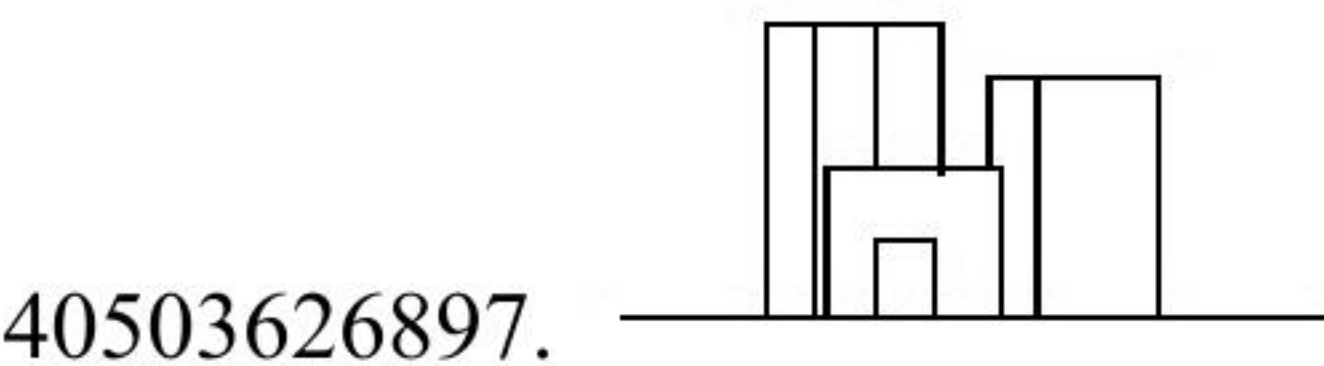
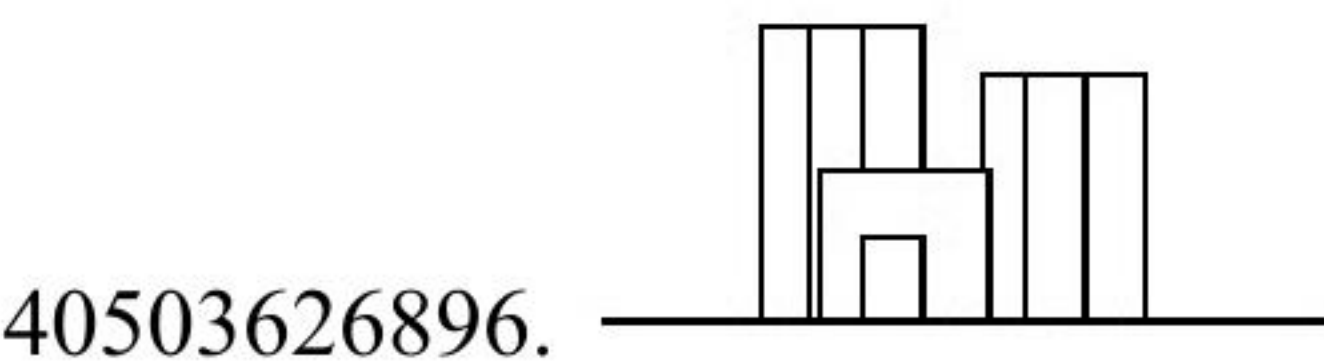
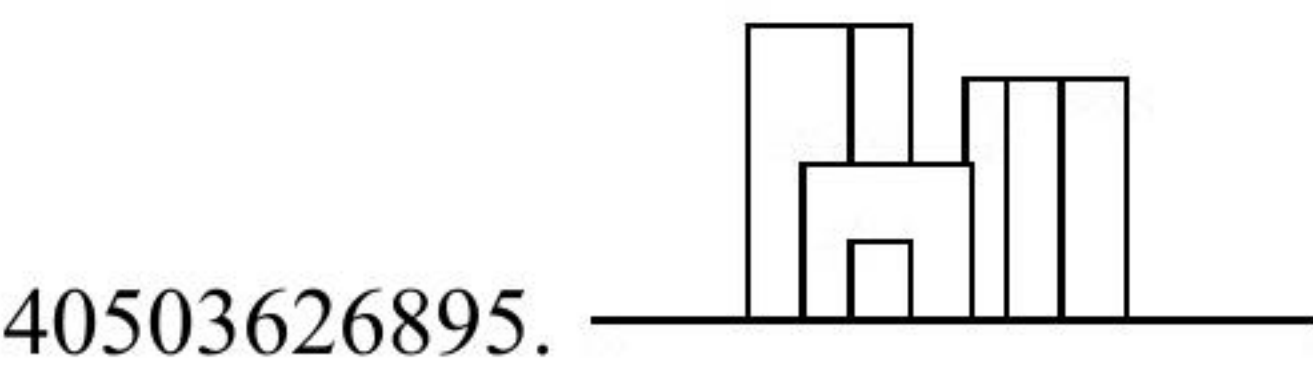
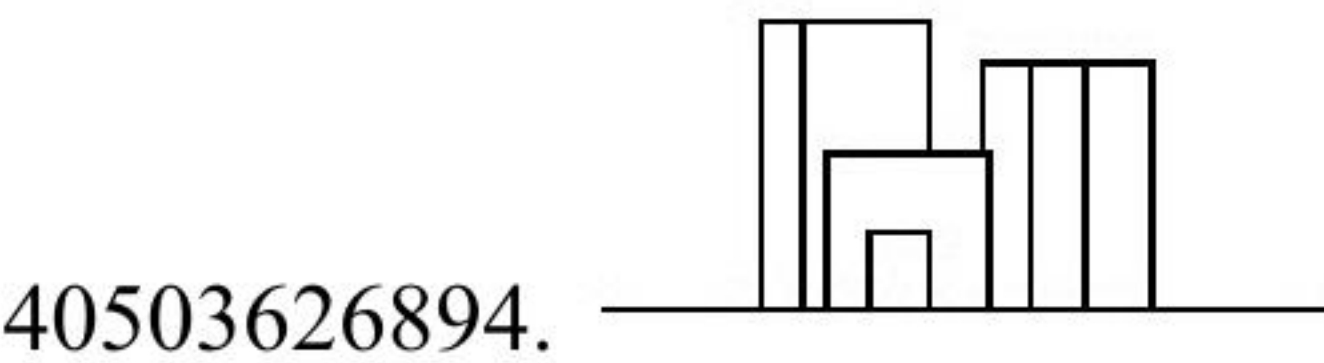


Correct Marks : 4 Wrong Marks : 1

The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.

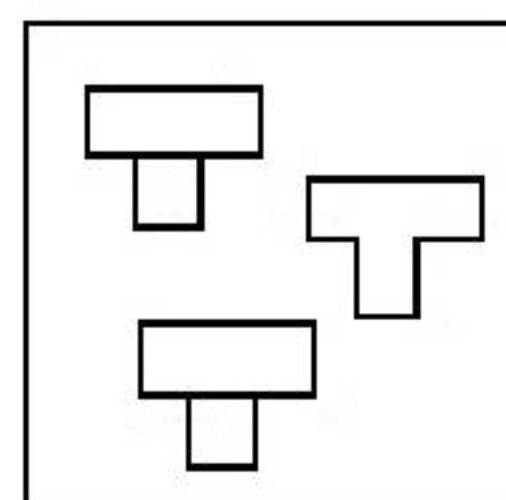


Options :

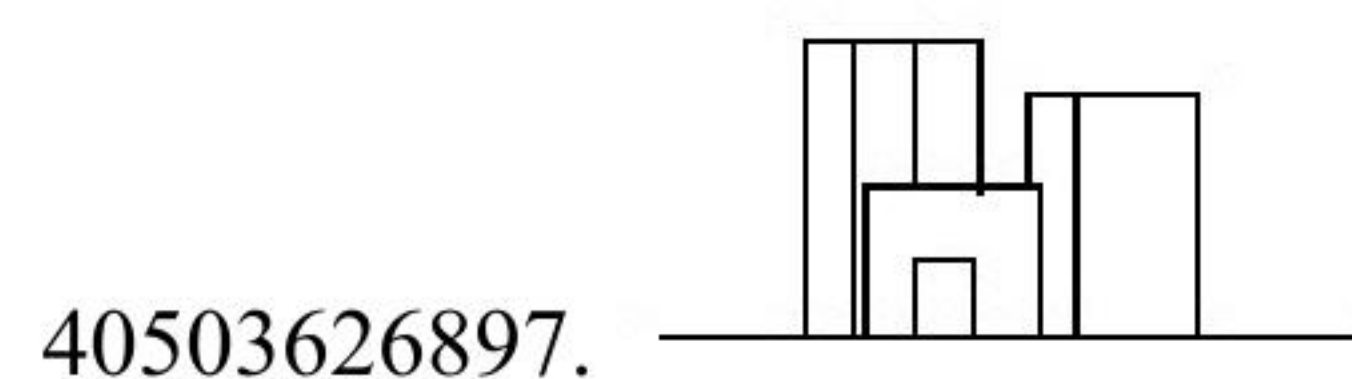
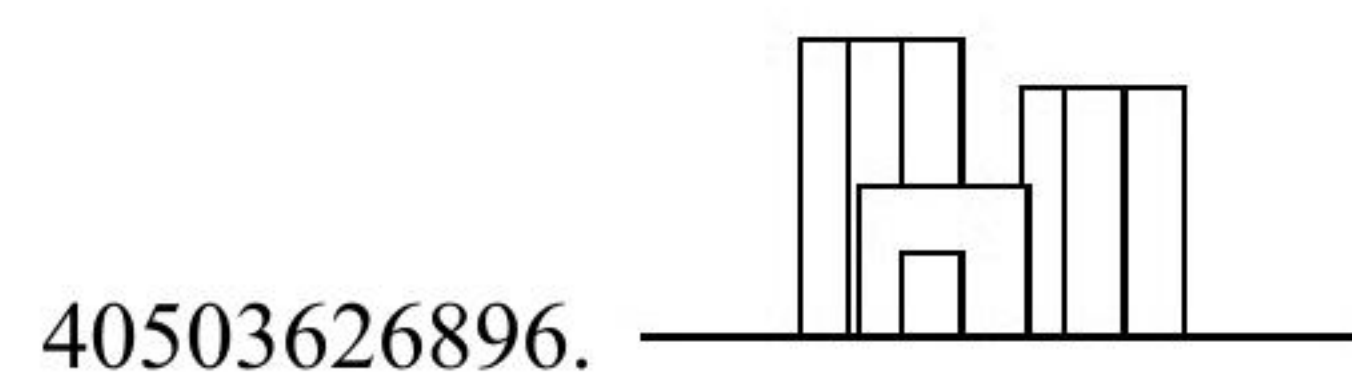
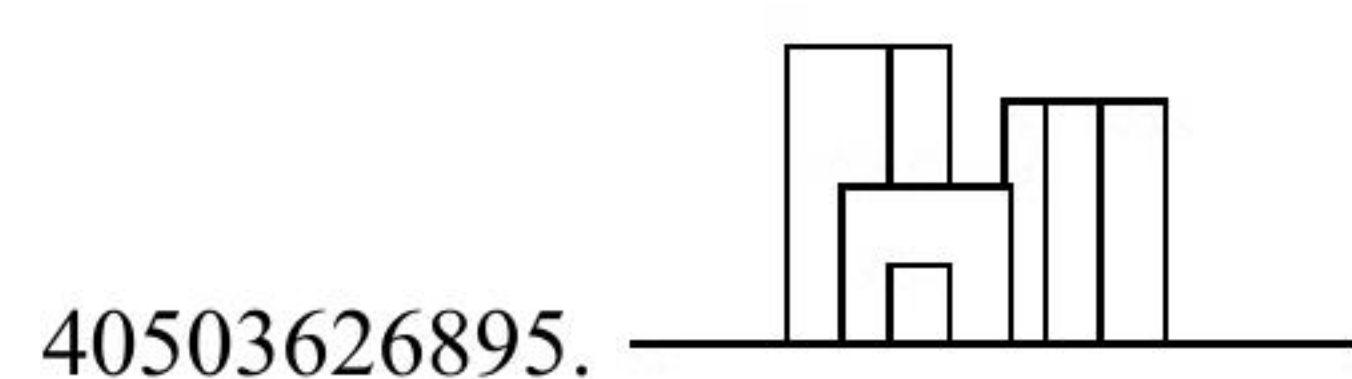
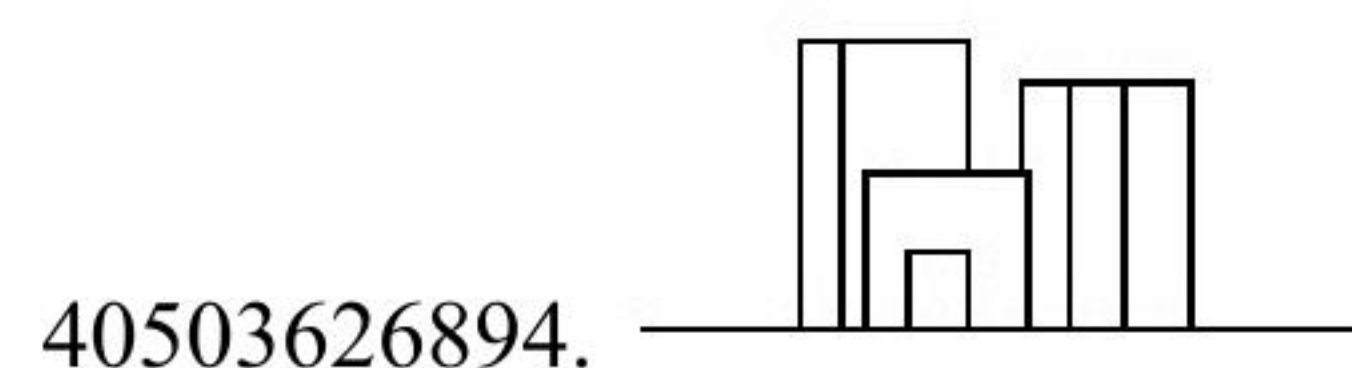


Question Number : 53 Question Id : 4050367364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

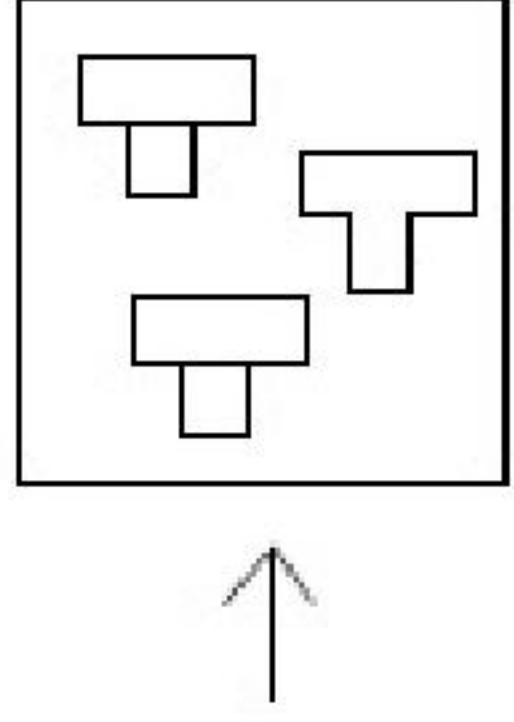


Options :

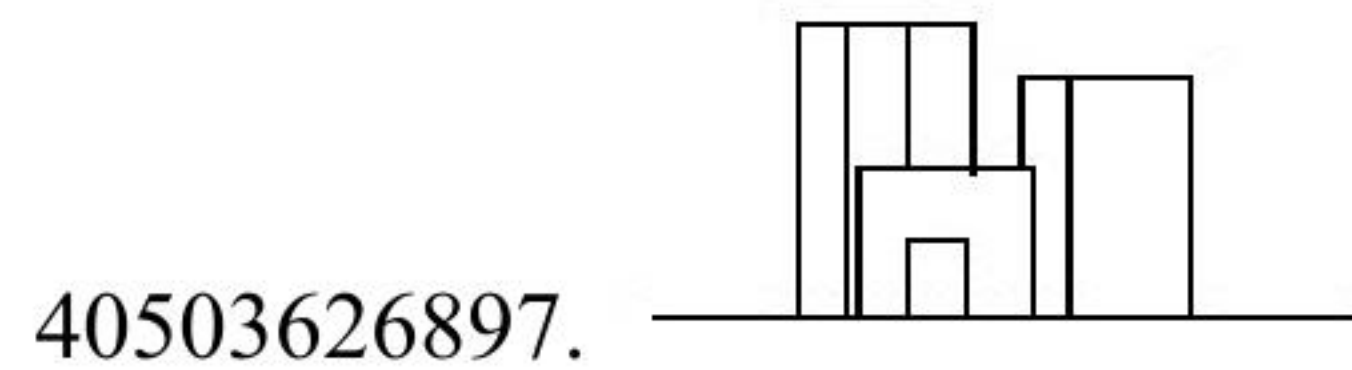
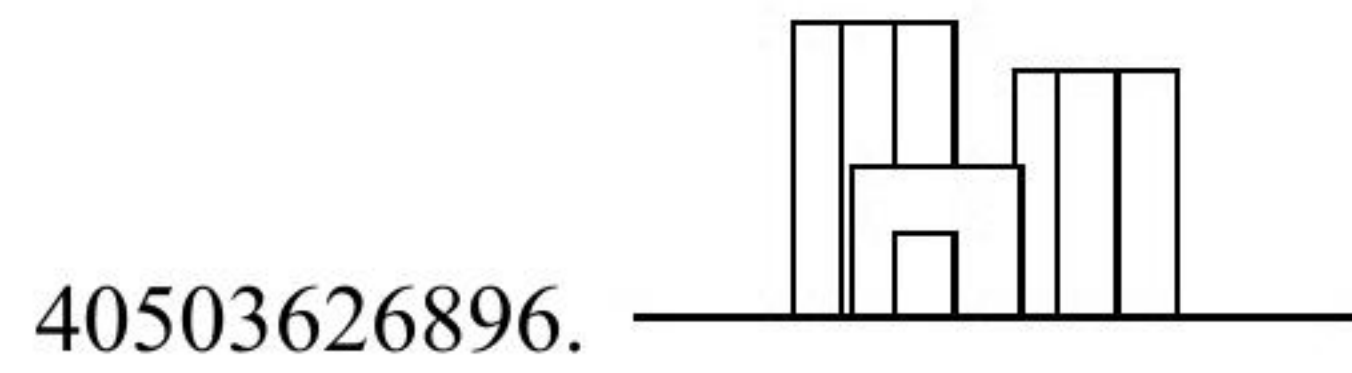
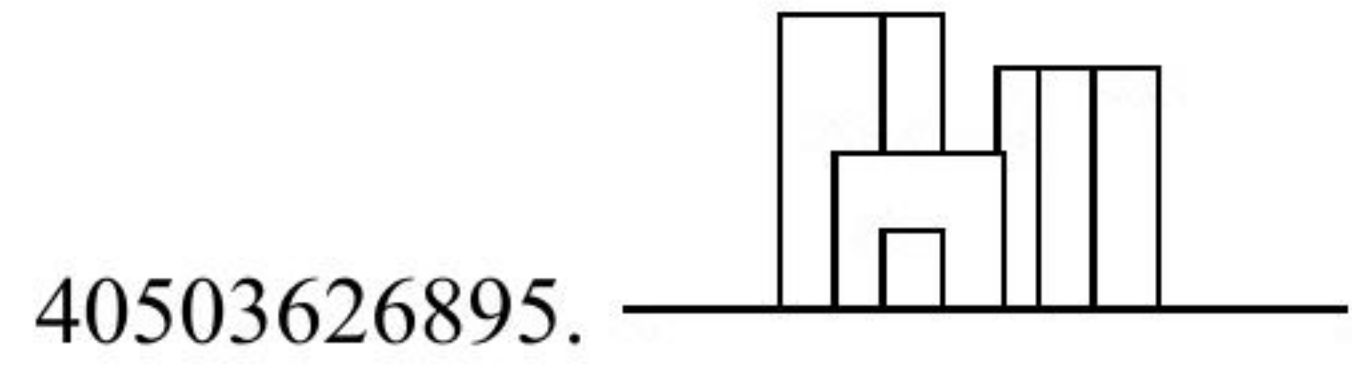


Question Number : 53 Question Id : 4050367364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિમાં કેટલીક વસ્તુઓનું ઉપરી દષ્ટ (top view) બતાવવામાં આવ્યું છે. ત્રીસની દિશામાં જોતાં, જવાબ આકૃતિઓમાંથી આનું સાચું ઉન્નત દષ્ટ (elevation) ઓળખો.

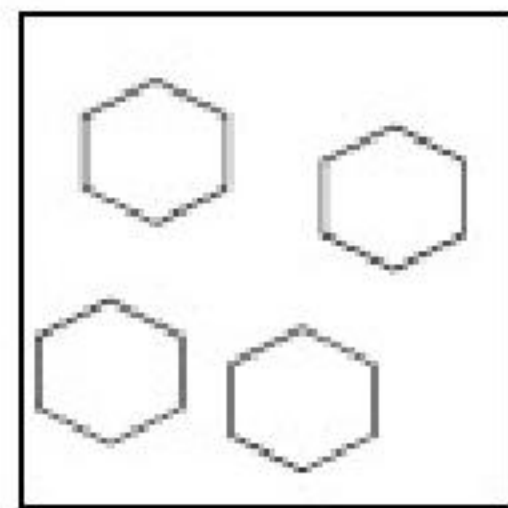


Options :



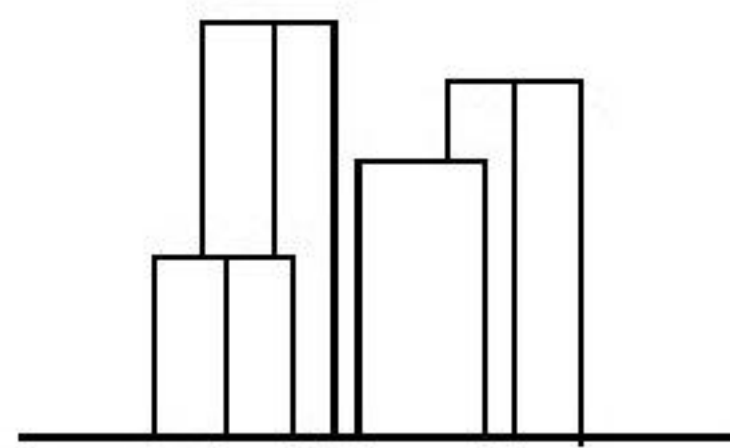
Question Number : 54 Question Id : 4050367365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.

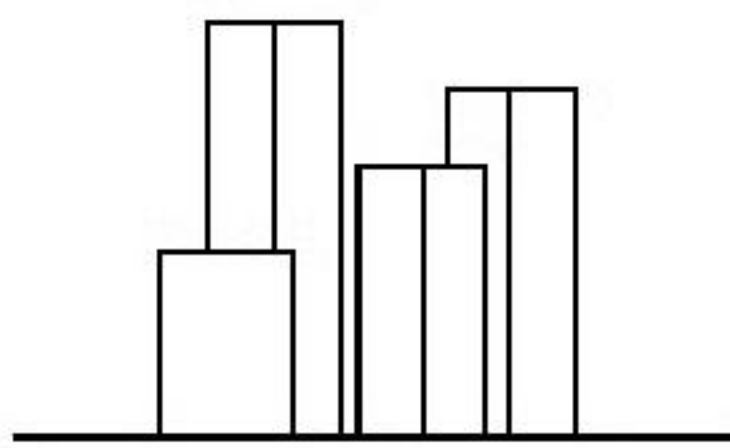


Options :

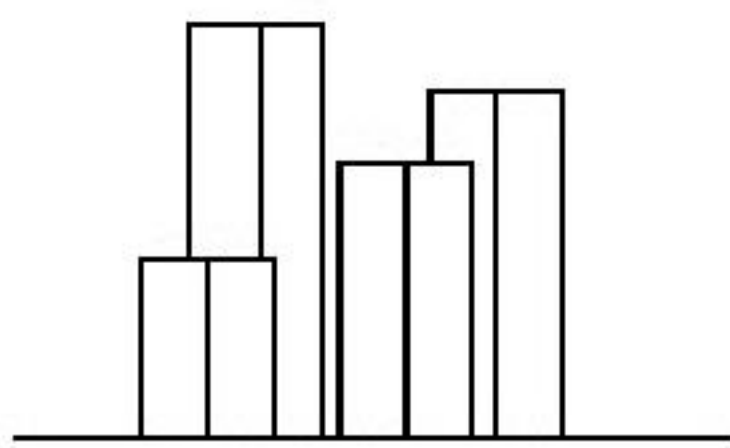
40503626898.



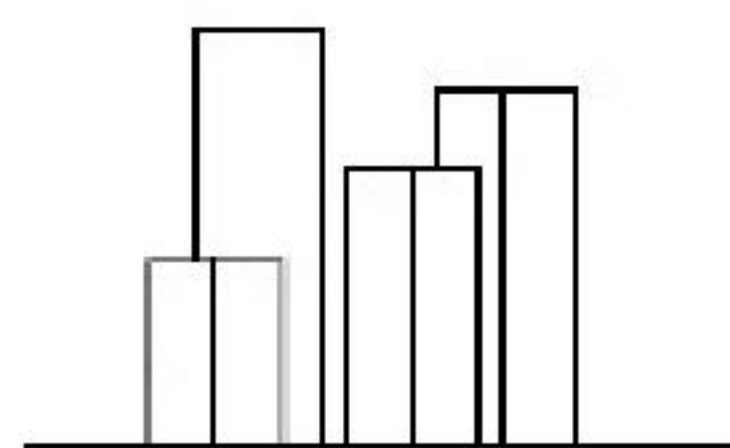
40503626899.



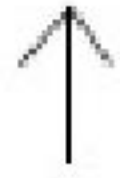
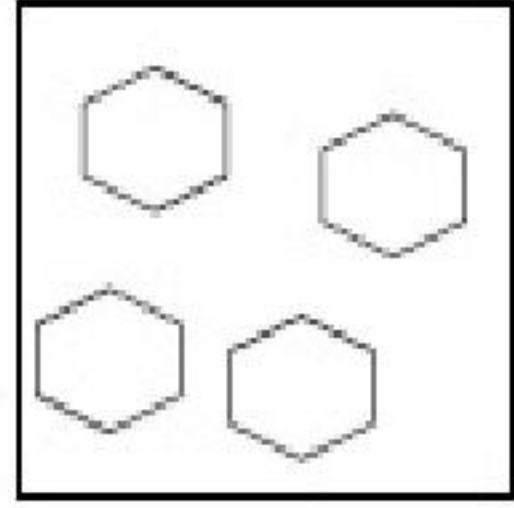
40503626900.



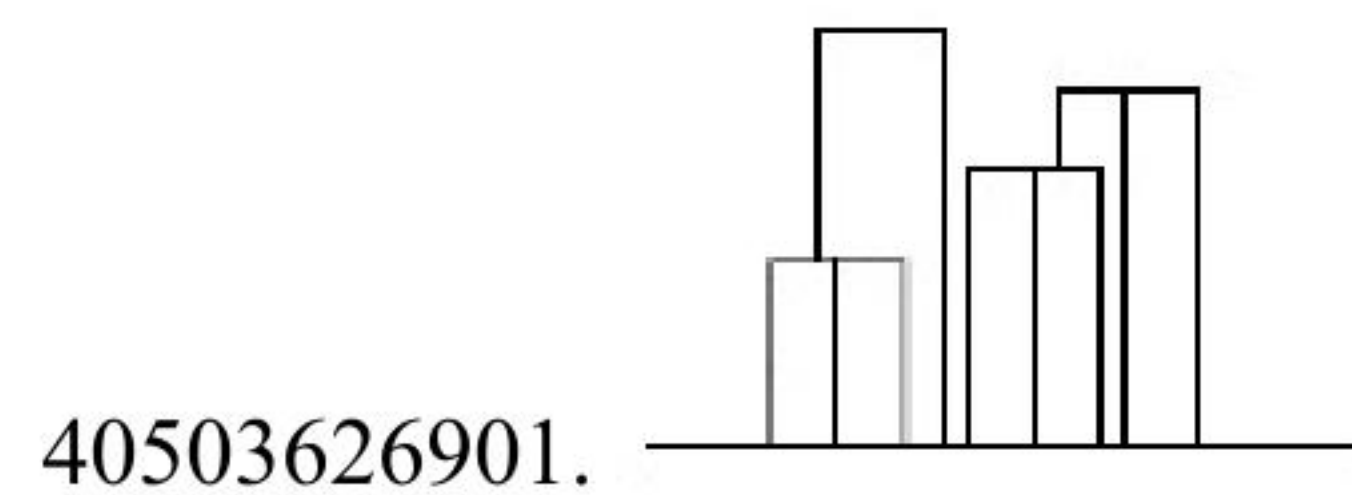
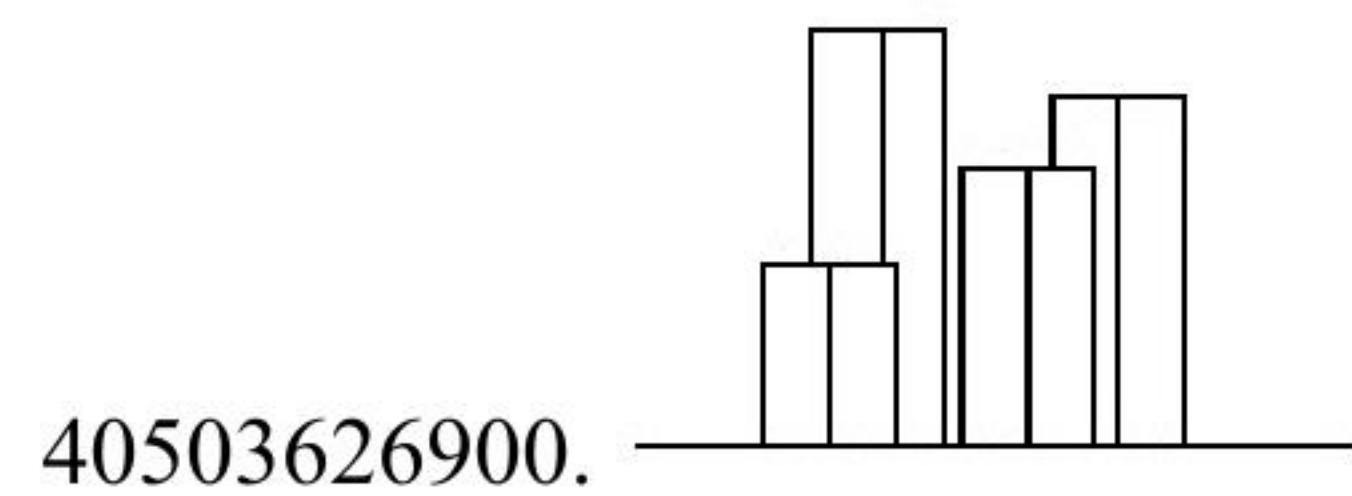
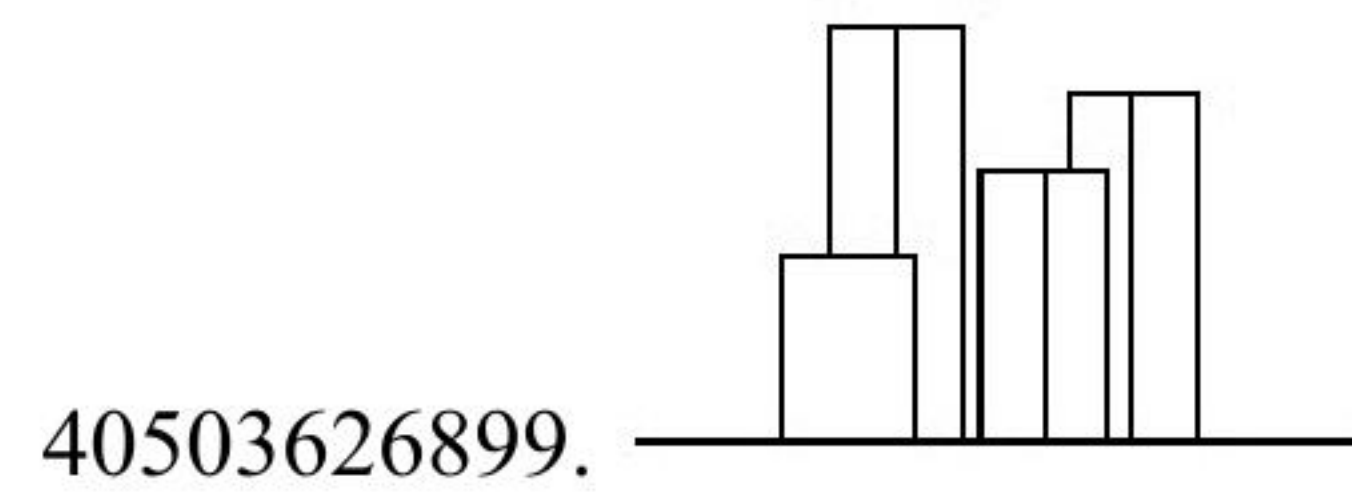
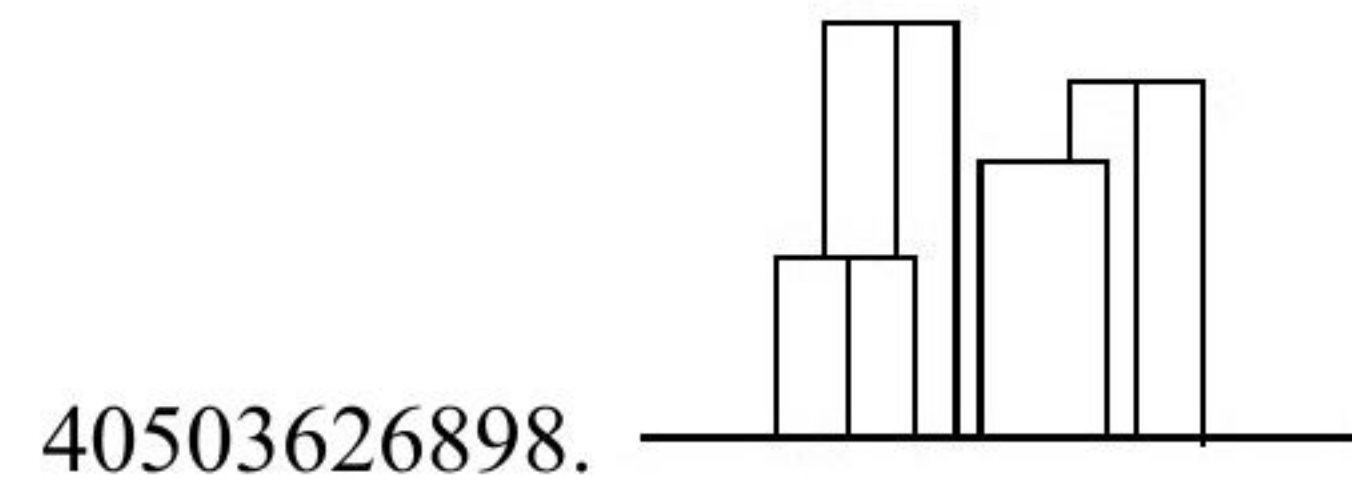
40503626901.



प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

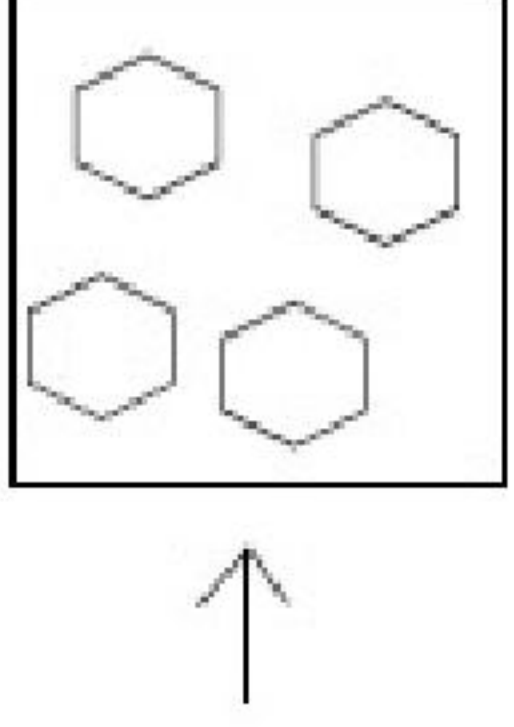


Options :

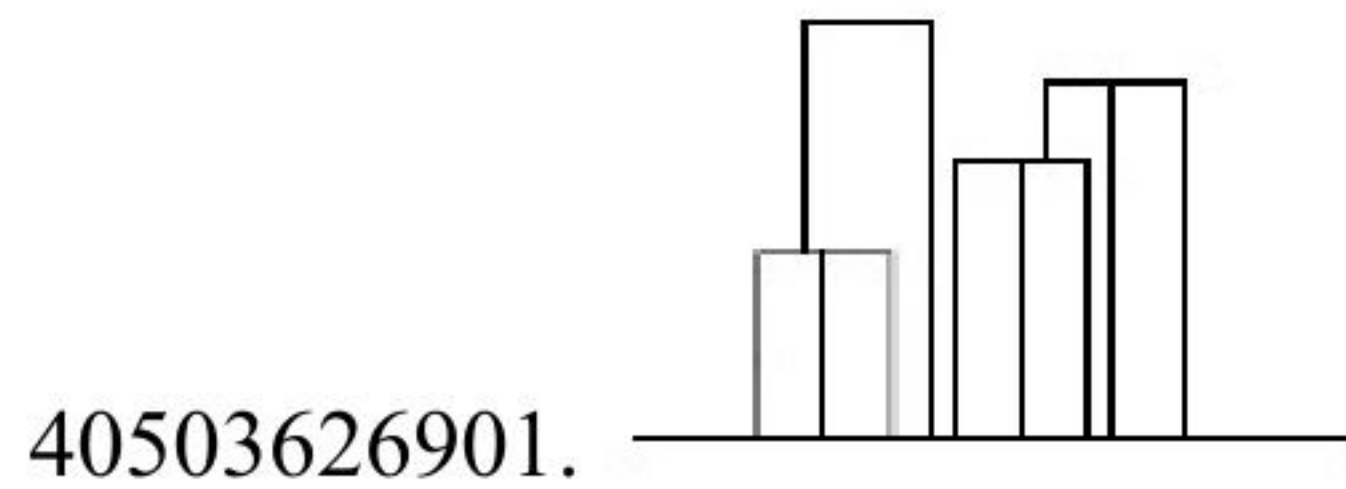
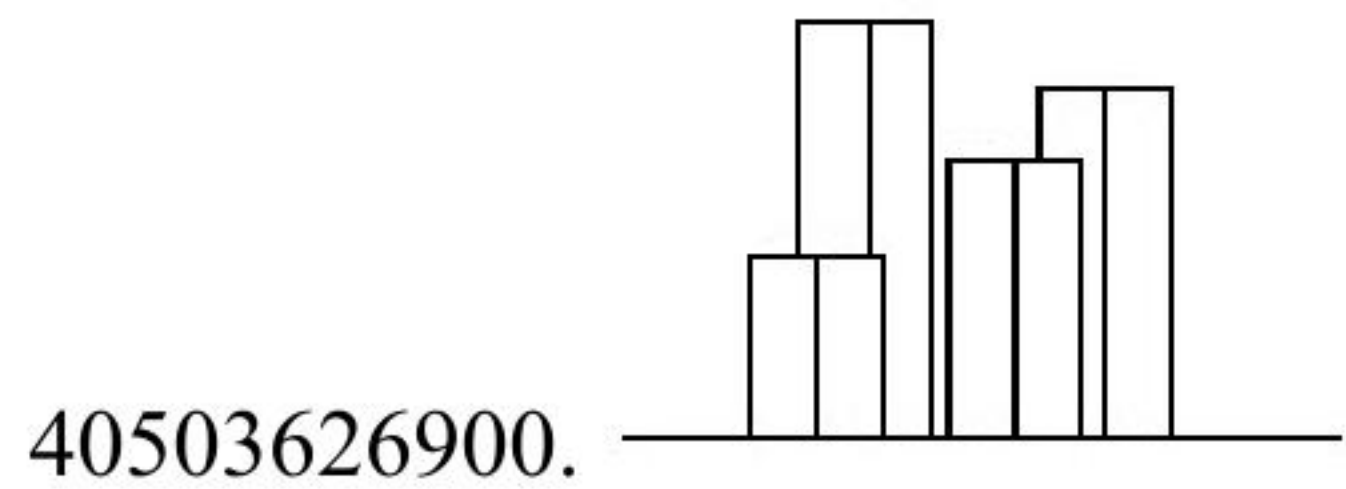
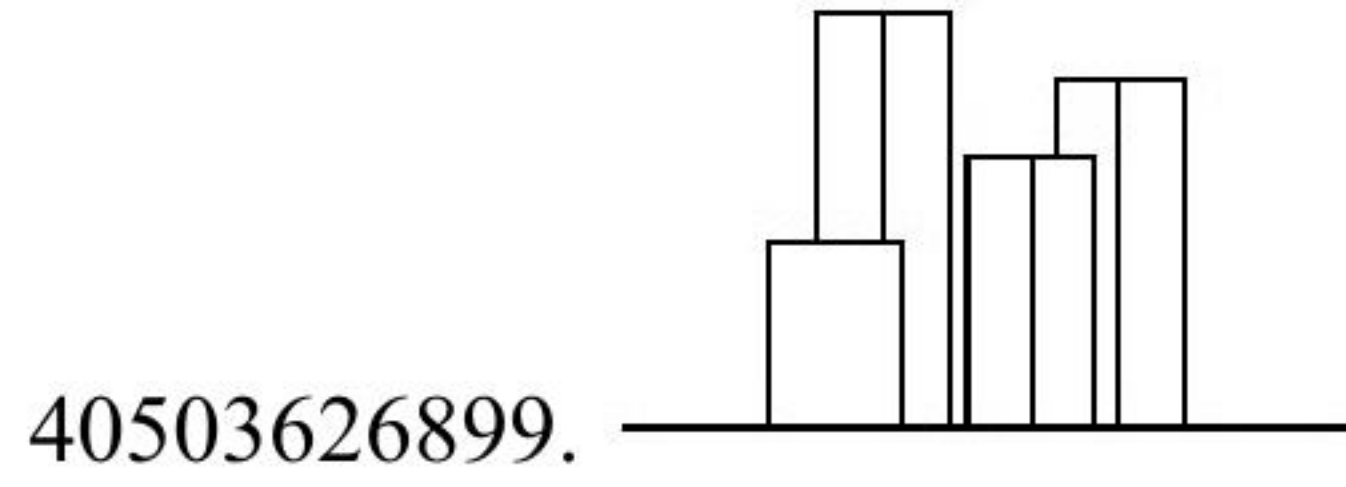
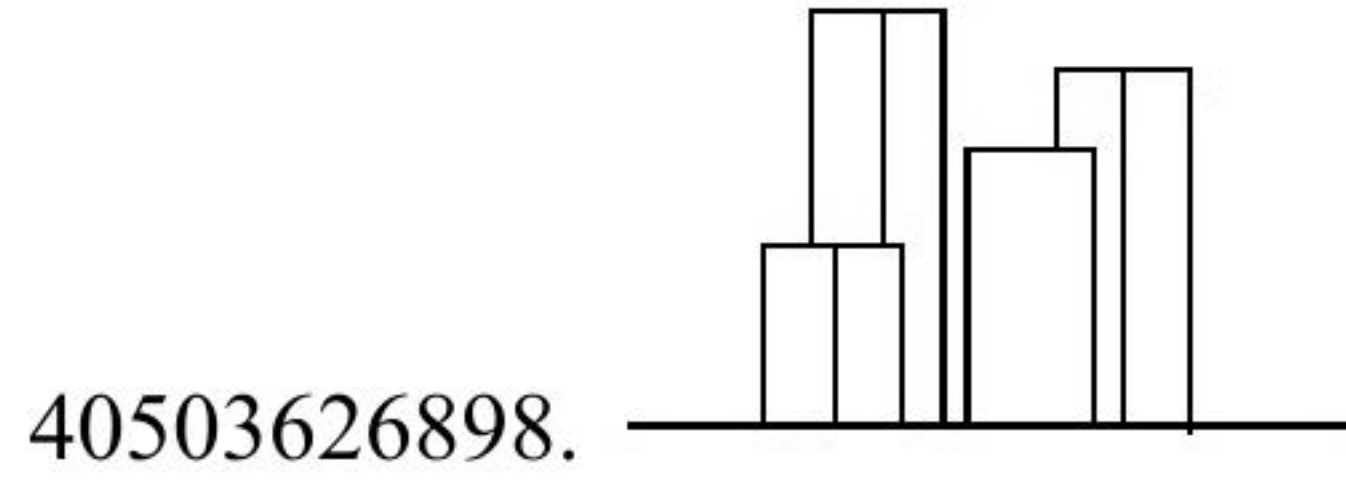


Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિમાં કેટલીક વસ્તુઓનું ઉપરી દૃશ્ય (top view) બતાવવામાં આવ્યું છે. તીરની દિશામાં જોતાં, જવાબ આકૃતિઓમાંથી આનું સાચું ઉન્નત દૃશ્ય (elevation) ઓળખો.



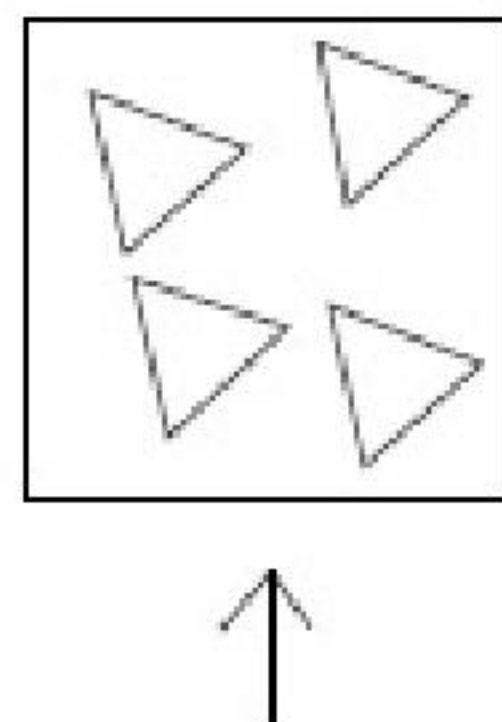
Options :



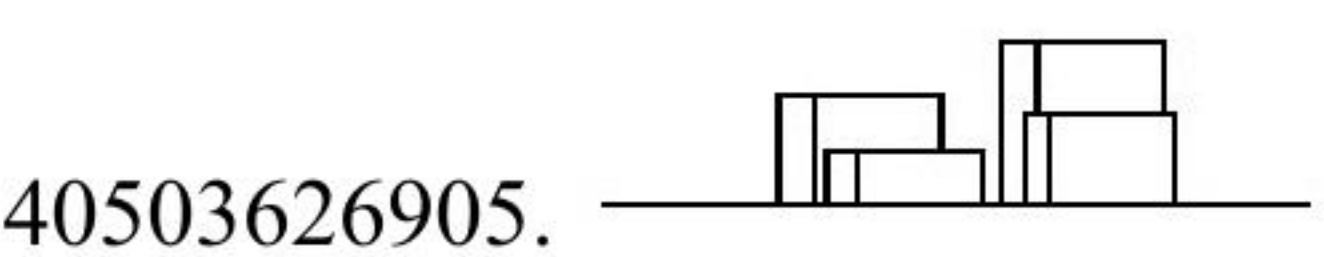
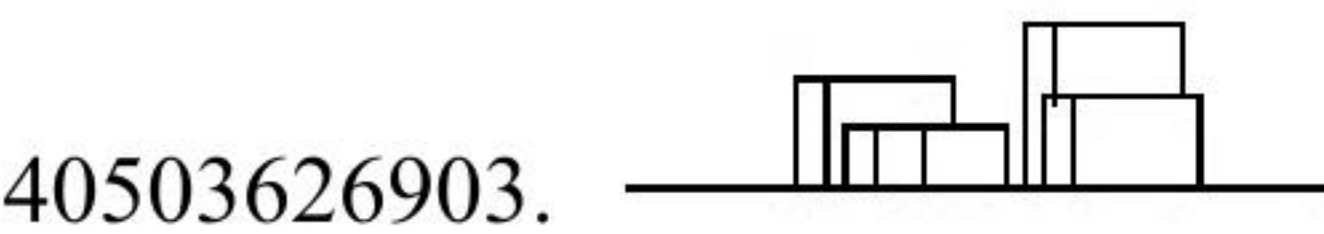
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The problem figure shows the top view of objects. Looking in the direction of the arrow, identify the correct elevation, from amongst the answer figures.



Options :

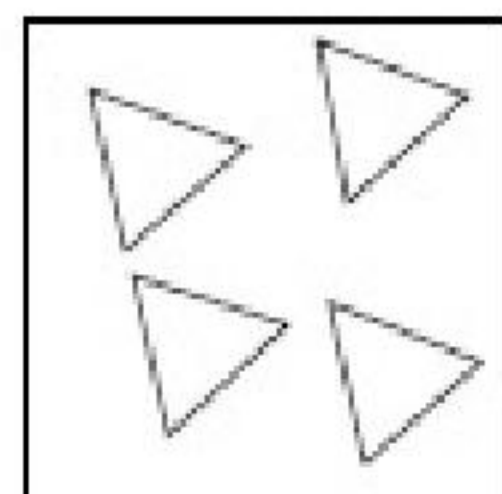


Question Number : 55 Question Id : 4050367366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

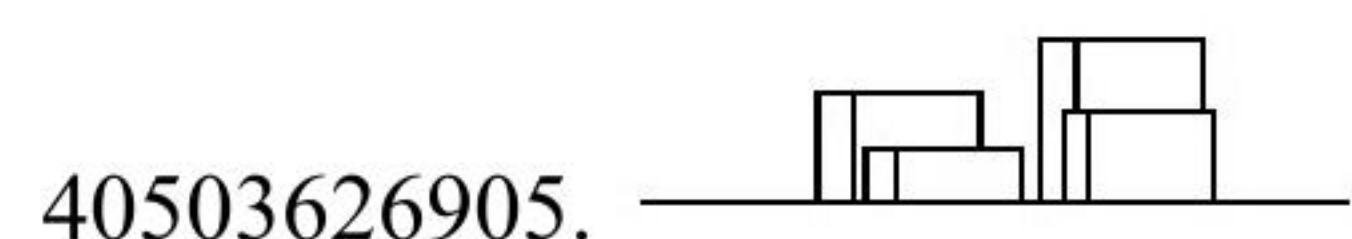
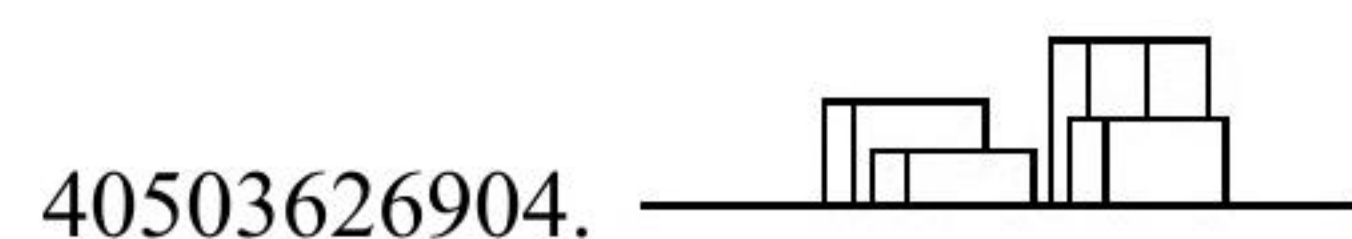
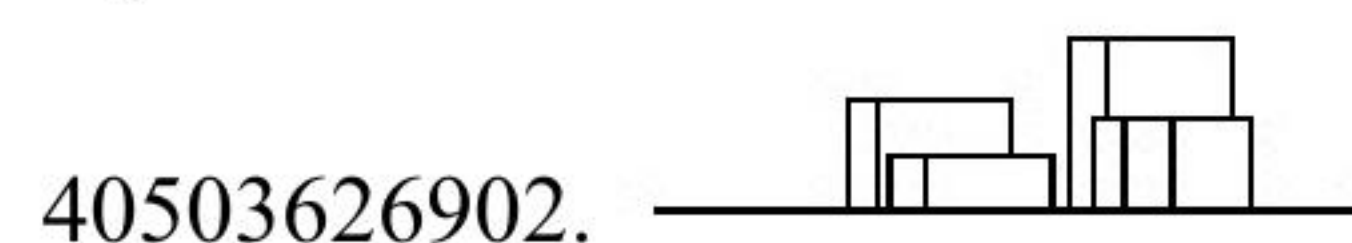
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

प्रश्न आकृति में वस्तुओं का ऊपरी दृश्य दिखाया गया है। तीर की सिंह में देखते हुए उत्तर आकृतियों में से सही सम्मुख दृश्य पहचानिये।

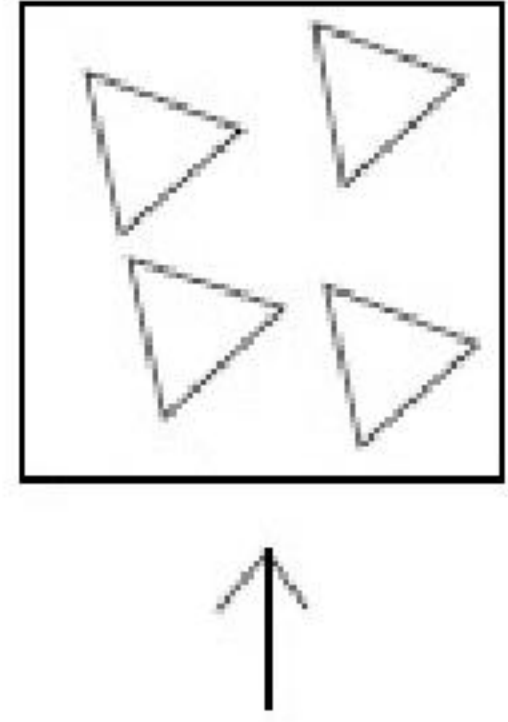


Options :

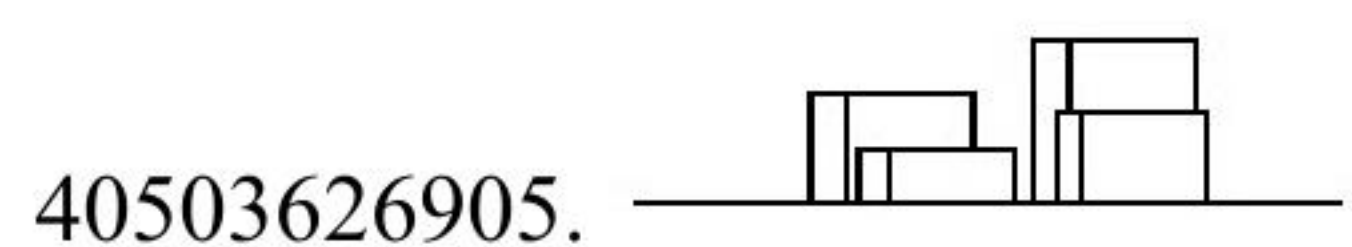
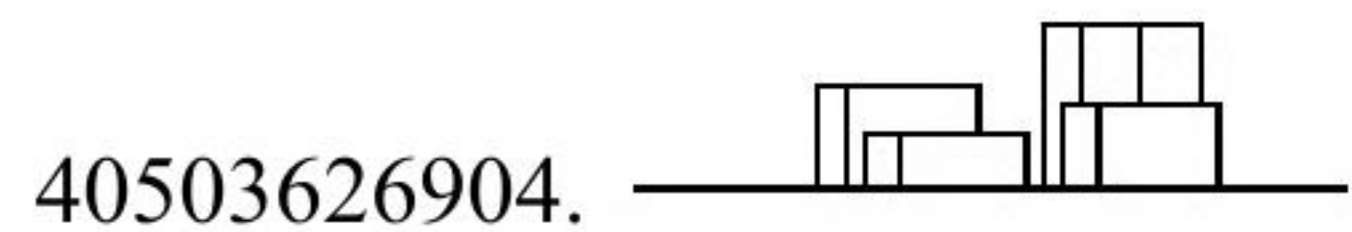
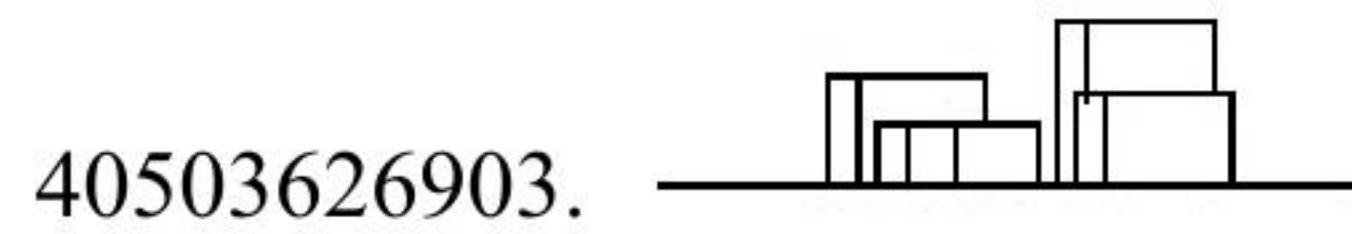
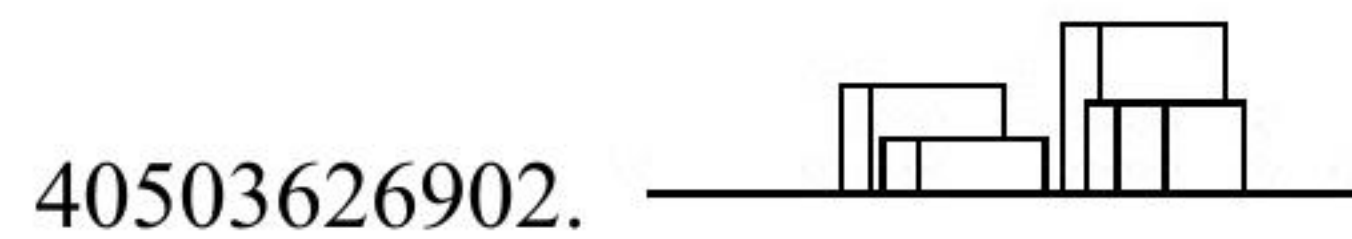


Question Number : 55 Question Id : 4050367366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિમાં કેટલીક વસ્તુઓનું ઉપરી દૃશ્ય (top view) બતાવવામાં આવ્યું છે. ત્રીસની દિશામાં જોતાં, જવાબ આકૃતિઓમાંથી આનું સાચું ઉન્નત દૃશ્ય (elevation) ઓળખો.

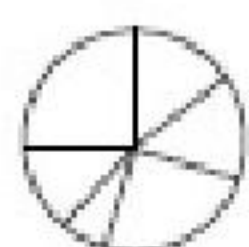


Options :



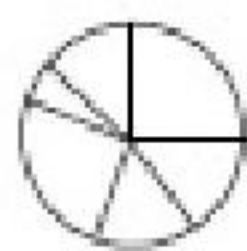
Question Number : 56 Question Id : 4050367367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the answer figure will complete the sequence of the three problem figures ?

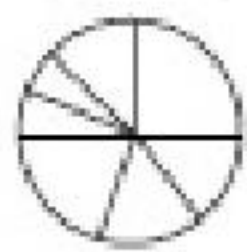


?

40503626906.



40503626907.



40503626908.

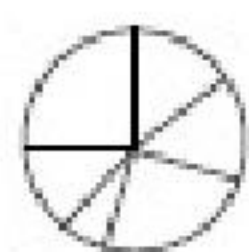


40503626909.



Question Number : 56 Question Id : 4050367367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

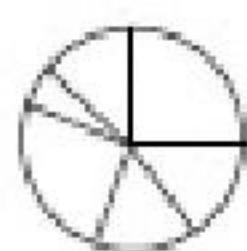
उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



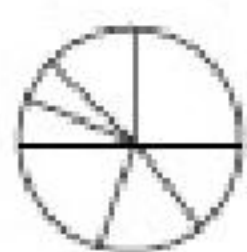
?

Options :

40503626906.



40503626907.



40503626908.

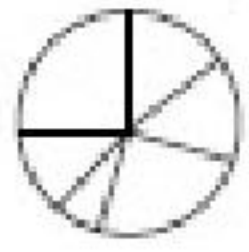


40503626909.



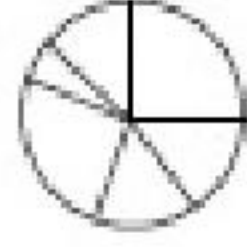
Question Number : 56 Question Id : 4050367367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ આપેલ ત્રણ પ્રશ્ન આકૃતિઓની શ્રેણી પૂર્ણ કરશે?

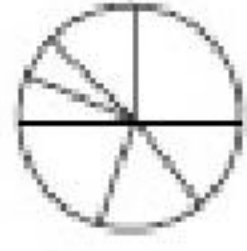


Options :

40503626906.



40503626907.



40503626908.

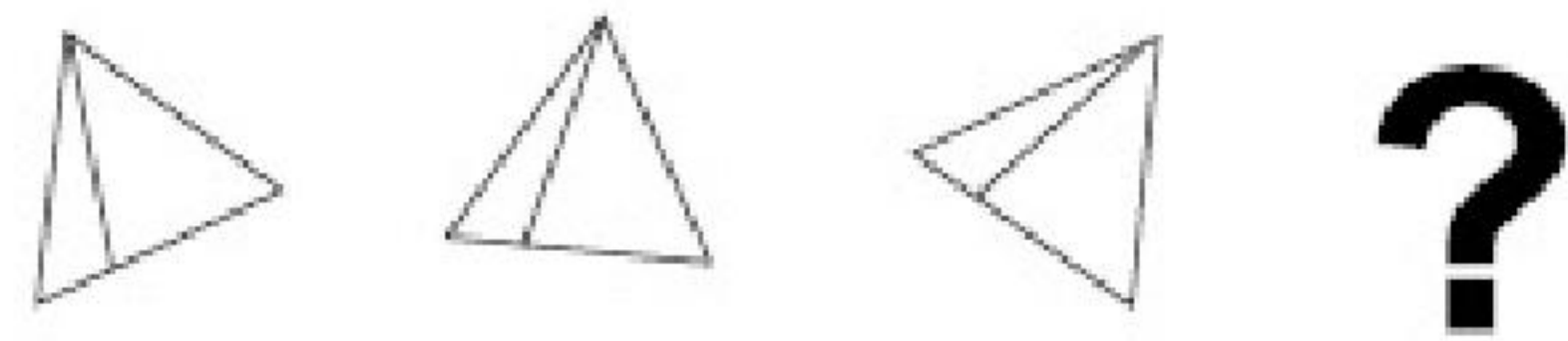


40503626909.

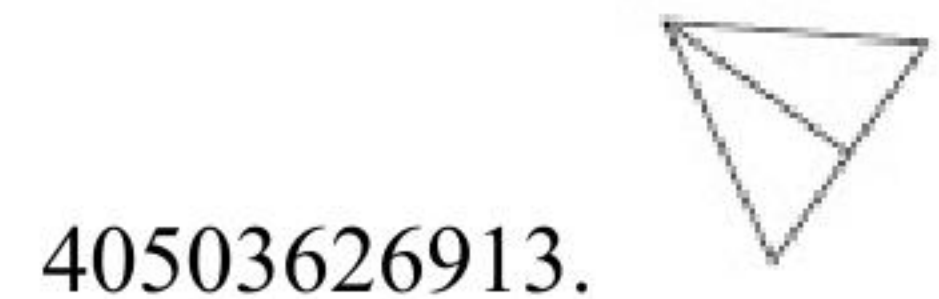
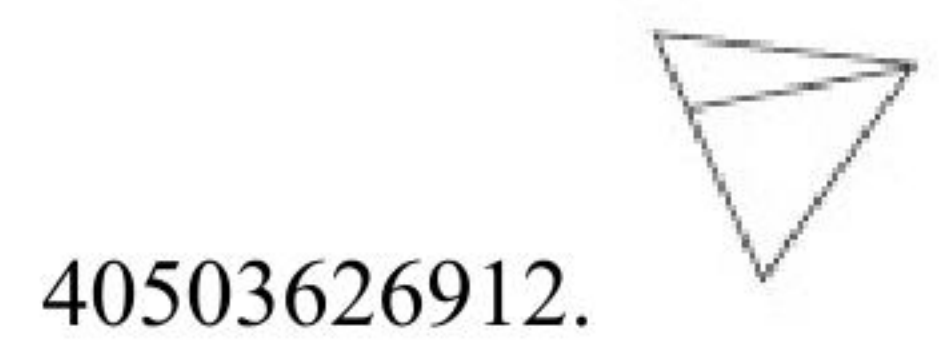
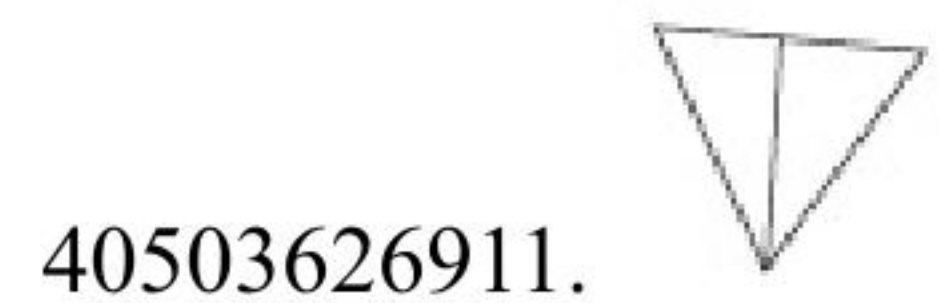
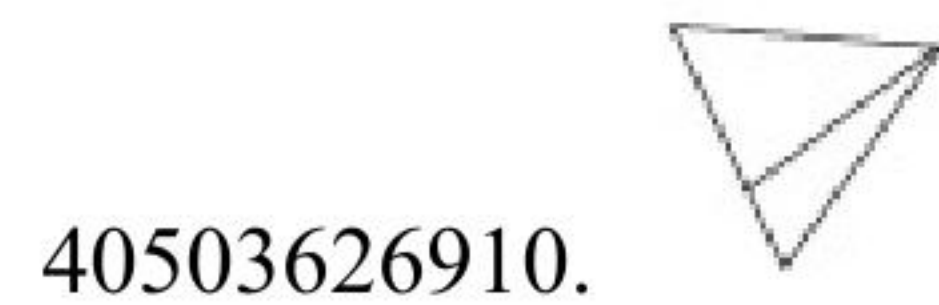


Question Number : 57 Question Id : 4050367368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the answer figure will complete the sequence of the three problem figures ?



Options :



Question Number : 57 Question Id : 4050367368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



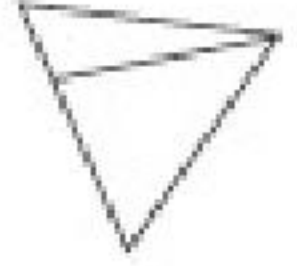
Options :



40503626911.



40503626912.

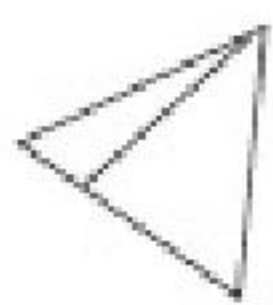
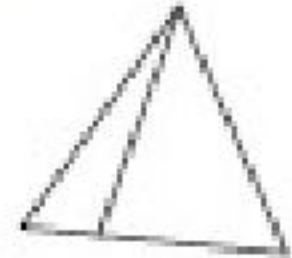
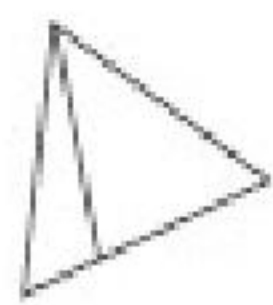


40503626913.



Question Number : 57 Question Id : 4050367368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ આપેલ ત્રણ પ્રશ્ન આકૃતિઓની શ્રેણી પૂર્ણ કરશે?



?

Options :

40503626910.



40503626911.



40503626912.



40503626913.



Question Number : 58 Question Id : 4050367369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the answer figure will complete the sequence of the three problem figures ?

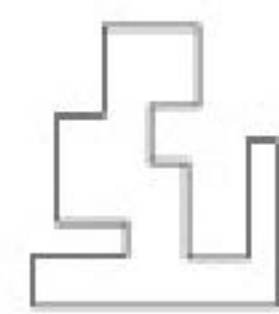


Options :

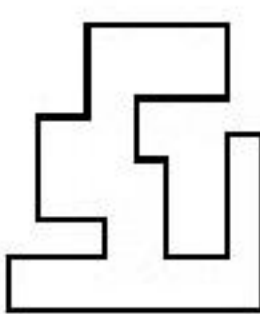
40503626914.



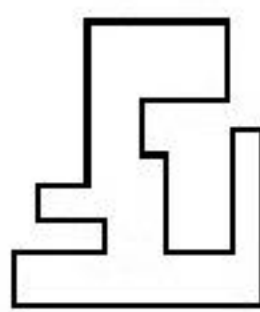
40503626915.



40503626916.

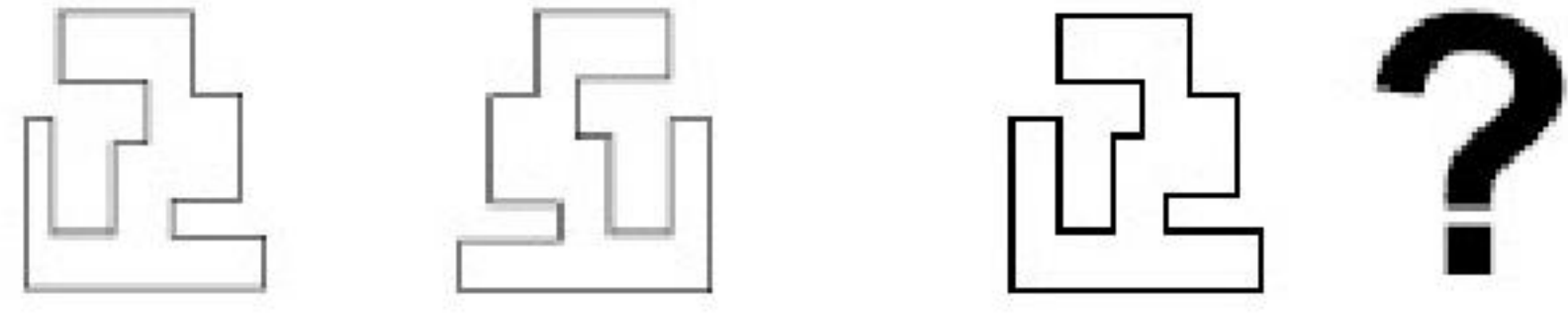


40503626917.

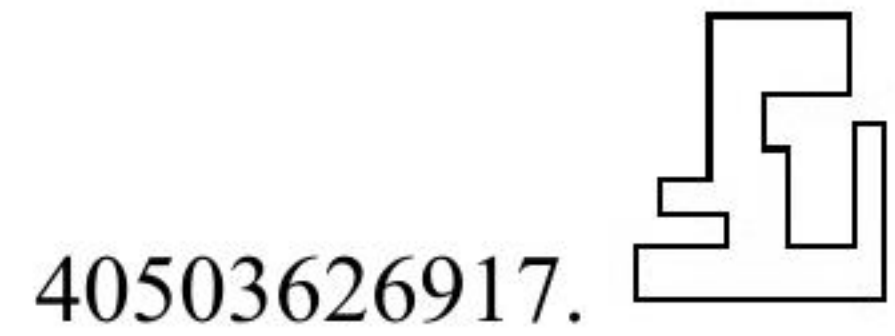
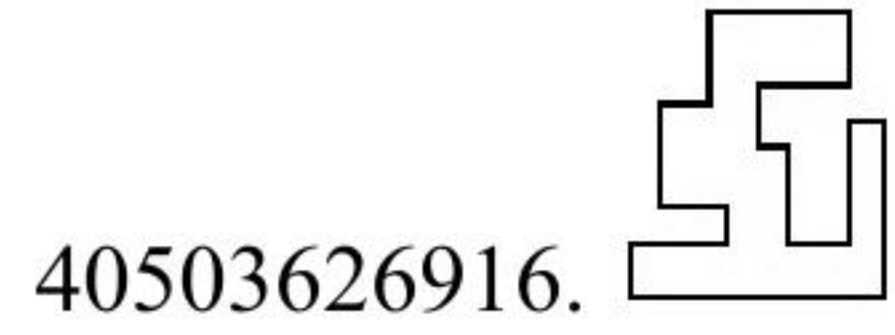
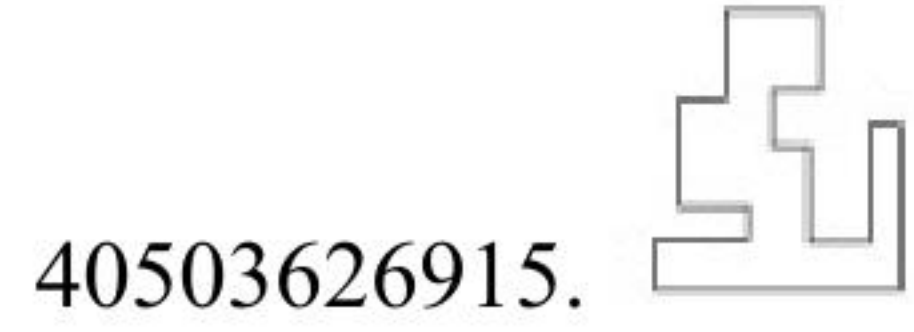
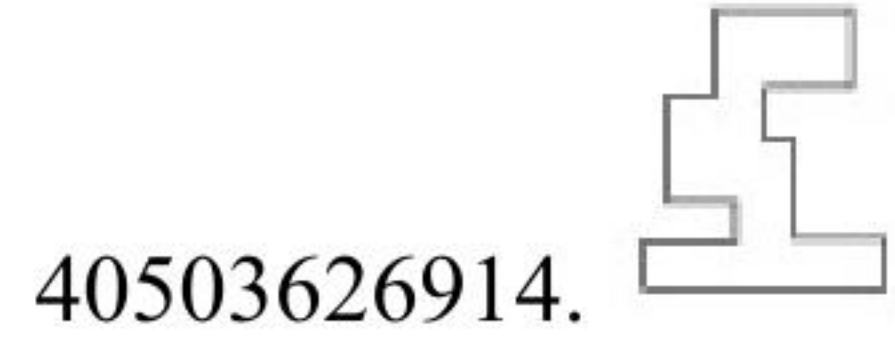


Question Number : 58 Question Id : 4050367369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



Options :



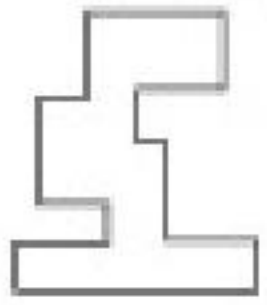
Question Number : 58 Question Id : 4050367369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

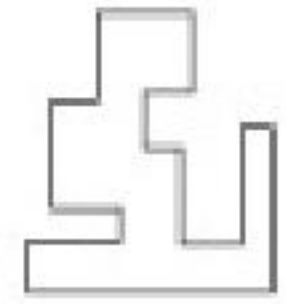
Correct Marks : 4 Wrong Marks : 1

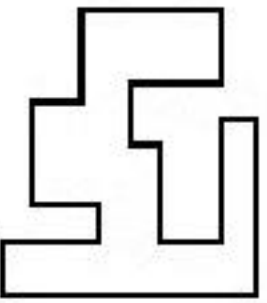
જવાબ આકૃતિઓમાંથી કઈ આકૃતિ આપેલ ત્રણ પ્રશ્ન આકૃતિઓની શ્રેણી પૂર્ણ કરશે?

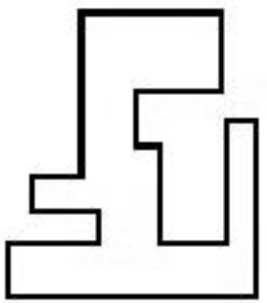


Options :

40503626914. 

40503626915. 

40503626916. 

40503626917. 

Question Number : 59 Question Id : 4050367370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the answer figure will complete the sequence of the three problem figures ?



Options :

40503626918. 

40503626919. 

40503626920.



40503626921.



Question Number : 59 Question Id : 4050367370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



?

Options :

40503626918.



40503626919.



40503626920.



40503626921.

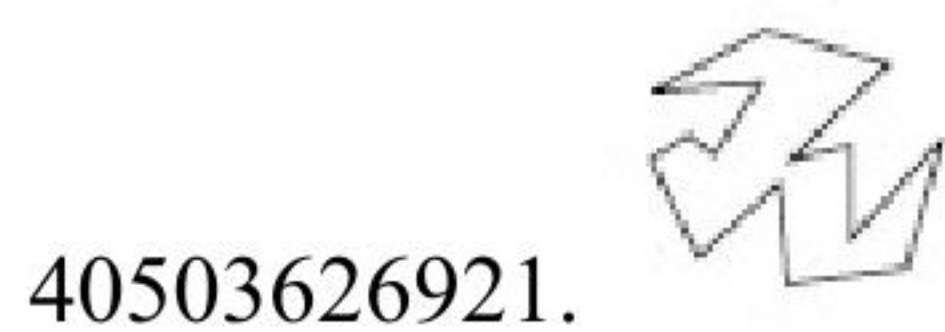
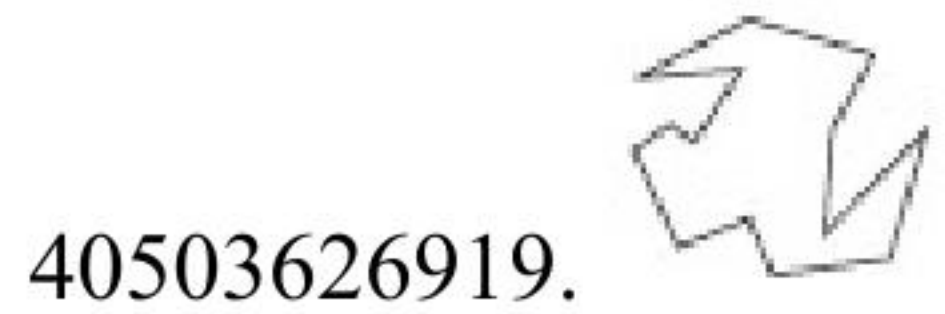
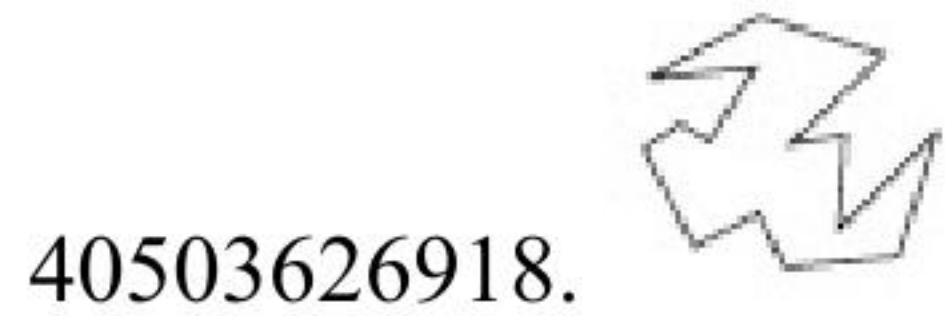


Question Number : 59 Question Id : 4050367370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ આપેલ ત્રણ પ્રશ્ન આકૃતિઓની શ્રેણી પૂર્ણ કરશે?



Options :

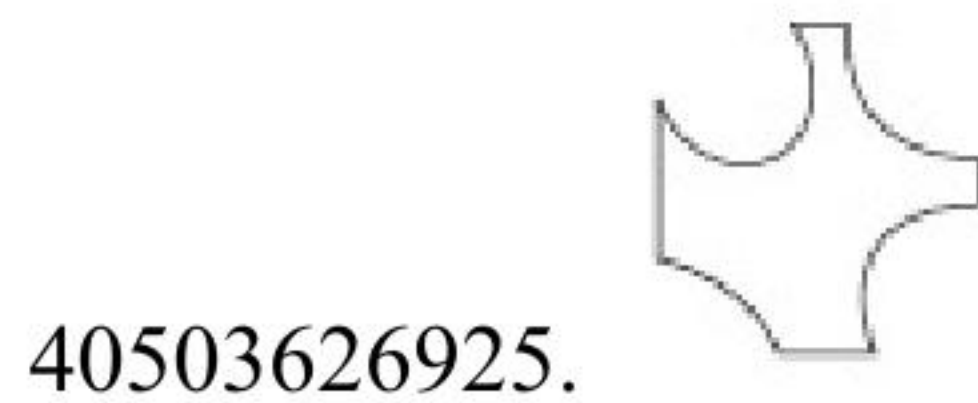
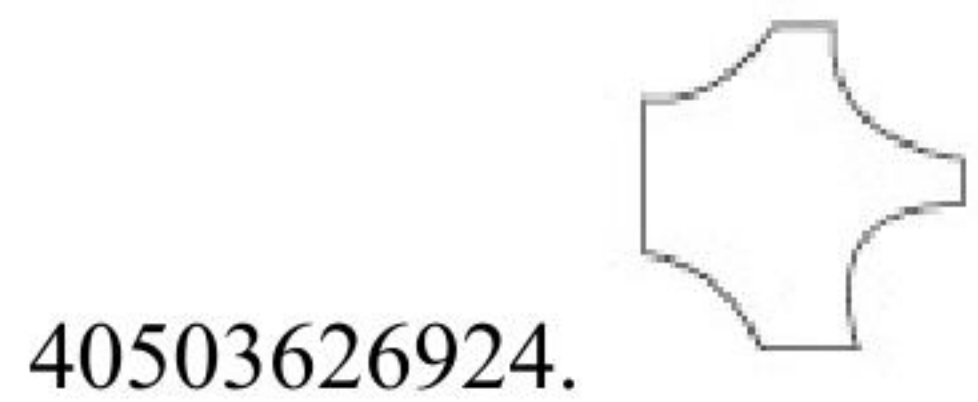
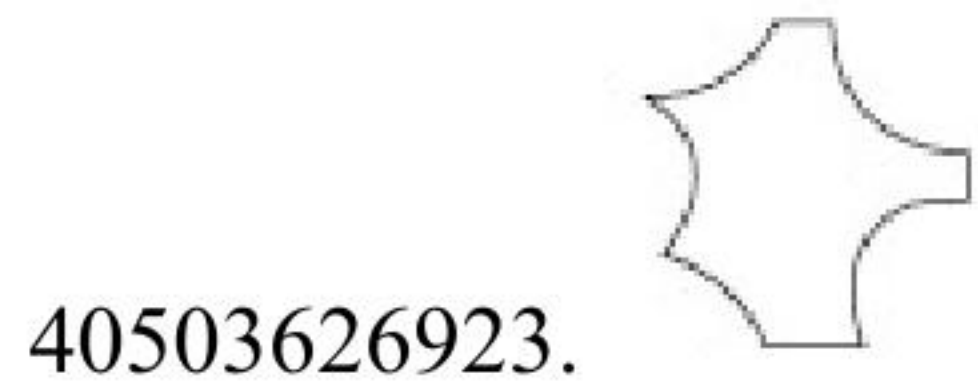
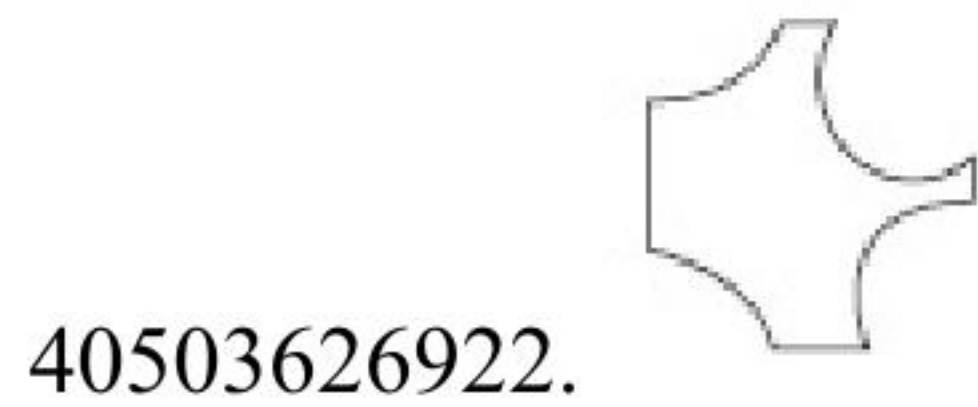


Question Number : 60 Question Id : 4050367371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the answer figure will complete the sequence of the three problem figures ?



Options :

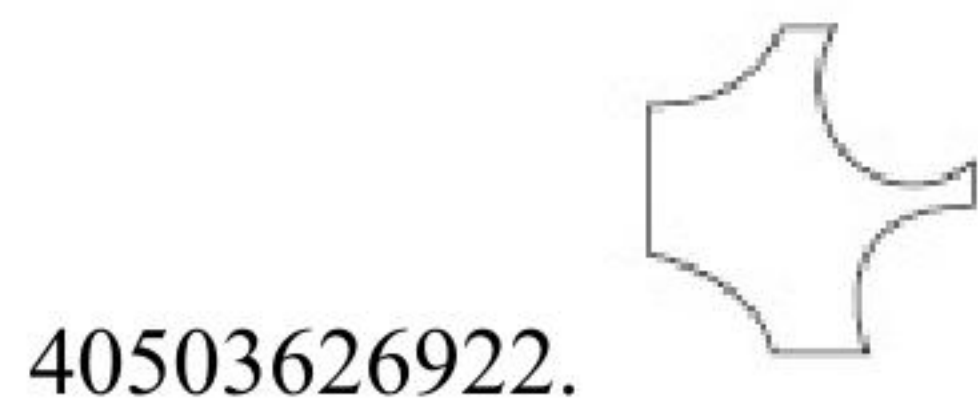


Question Number : 60 Question Id : 4050367371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

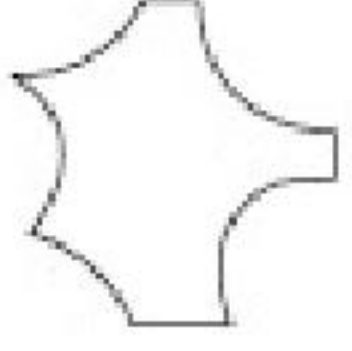
उत्तर आकृतियों में से कौन सी आकृति को तीन प्रश्न आकृतियों में लगाने से अनुक्रम (sequence) पूरा हो जायेगा ?



Options :



40503626923.



40503626924.



40503626925.



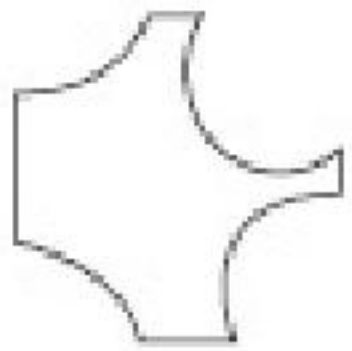
Question Number : 60 Question Id : 4050367371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંથી કઈ આકૃતિ આપેલ ત્રણ પ્રશ્ન આકૃતિઓની શ્રેણી પૂર્ણ કરશે?

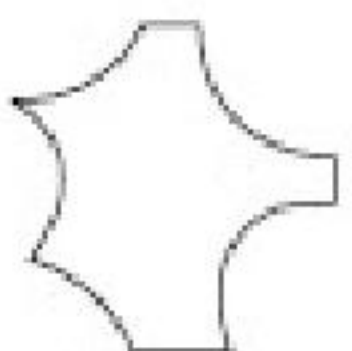


Options :

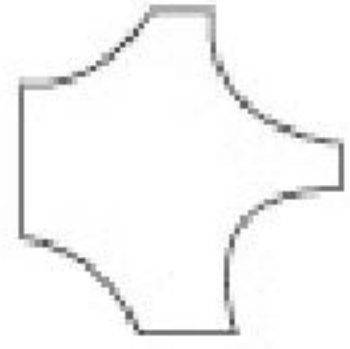
40503626922.



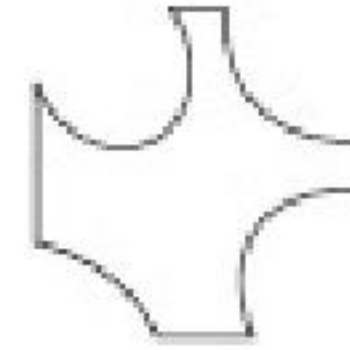
40503626923.



40503626924.



40503626925.



Question Number : 61 Question Id : 4050367372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

10 Downing Street is the residence of which one of the following ?

Options :

40503626926. President of America

40503626927. Prime Minister of England

40503626928. President of France

40503626929. President of Sri Lanka

Question Number : 61 Question Id : 4050367372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

10 डाउनिंग स्ट्रीट निम्नलिखित में से किसका निवास है?

40503626926. અમેરિકા કે રાષ્ટ્રપતિ

40503626927. ઇંગ્લેન્ડ કે પ્રધાન મંત્રી

40503626928. ફ્રાન્સ કે રાષ્ટ્રપતિ

40503626929. શ્રીલંકા કે રાષ્ટ્રપતિ

Question Number : 61 Question Id : 4050367372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

10 ડાઉનિંગ સ્ટ્રીટ એ નીચેનામાંથી કોનું નિવાસ સ્થાન છે?

Options :

40503626926. અમેરિકાના રાષ્ટ્રપતિ

40503626927. ઈંગ્લેન્ડના પ્રધાનમંત્રી

40503626928. ફ્રાન્સના રાષ્ટ્રપતિ

40503626929. શ્રીલંકાના રાષ્ટ્રપતિ

Question Number : 62 Question Id : 4050367373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

In the Northern Hemisphere the winter sun sets in which one of the following directions ?

Options :

40503626930. North East

40503626931. North West

40503626932. South East

40503626933. South West

Question Number : 62 Question Id : 4050367373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

उत्तरी गोलार्ध में सर्दियों का सूर्य निम्नलिखित में से किस दिशा में डूबता है ?

Options :

40503626930. उत्तर पूर्व

40503626931. उत्तर पश्चिम

40503626932. दक्षिण पूर्व

40503626933. दक्षिण पश्चिम

Question Number : 62 Question Id : 4050367373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

ઉત્તરી ગોલાધમાં શિયાળાનો સૂર્ય નીચેનામાંથી કઈ દિશામાં
આથમે છે ?

Options :

40503626930. ઉત્તર પૂર્વ
40503626931. ઉત્તર પશ્ચિમ
40503626932. દક્ષિણ પૂર્વ
40503626933. દક્ષિણ પશ્ચિમ

Question Number : 63 Question Id : 4050367374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The famous Badrinath temple is located in
which one of the following States ?

Options :

40503626934. Kerala
40503626935. Tamil Nadu
40503626936. Assam

Question Number : 63 Question Id : 4050367374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

પ્રસિદ્ધ બદ્રીનાથ મંદિર નિમ્નલિખિત મેં સે કિસ રાજ્ય મેં
સ્થિત હૈ ?

Options :

40503626934. કેરલ
40503626935. તમિલનાડુ
40503626936. અસમ
40503626937. ઉત્તરાખંડ

Question Number : 63 Question Id : 4050367374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

પ્રખ્યાત બદ્રીનાથ મંદિર નીચેનામાંના કયા રાજ્યમાં આવેલું
છે ?

Options :

40503626934. કેરલ
40503626935. તામિલનાડુ
40503626936. આસામ

Question Number : 64 Question Id : 4050367375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

What is the thickness of a one brick thick wall ?

Options :

40503626938. 4.5"

40503626939. 9"

40503626940. 13.5"

40503626941. 12"

Question Number : 64 Question Id : 4050367375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

एक ईंट मोटी दीवार की मोटाई कितनी होती है ?

Options :

40503626938. 4.5"

40503626939. 9"

40503626940. 13.5"

12"

Question Number : 64 Question Id : 4050367375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

એક ઈંટ જાડી દિવાલની જાડાઈ કેટલી હોય?

Options :

40503626938. 4.5"

40503626939. 9"

40503626940. 13.5"

40503626941. 12"

Question Number : 65 Question Id : 4050367376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Why is the depth of a beam normally more than its width ?

Options :

40503626942. Horizontal Force

40503626943. Momentum

40503626944. Moment of Inertia

40503626945. Balance

Question Number : 65 Question Id : 4050367376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

एक बीम की गहराई सामान्य रूप से इसकी चौड़ाई से अधिक क्यों है ?

Options :

40503626942. क्षेत्रीय बल

40503626943. मोमेंटम

40503626944. मोमेंट ऑफ इनरशिया

40503626945. बैलेंस

Question Number : 65 Question Id : 4050367376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

એક બીમ (beam) ની ઊંચાઈ સામાન્ય રીતે તેની પહોળાઈ કરતા વધારે કેમ હોય છે ?

Options :

40503626942. ક્ષેત્રીય બળ (Horizontal Force)

40503626943. વેગમાન (Momentum)

40503626944. જડત્વની ચાકમાત્રા (Moment of Inertia)

40503626945. संतुलन (Balance)

Question Number : 66 Question Id : 4050367377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Where is the famous Notre Dame Cathedral which caught fire recently located ?

Options :

40503626946. Paris

40503626947. Hague

40503626948. Venice

40503626949. Rome

Question Number : 66 Question Id : 4050367377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

प्रसिद्ध नोटे डेम कैथेड्रल कहाँ है जिसमें हाल ही में आग लगी थी ?

Options :

40503626946. पेरिस

40503626947. हेग

40503626949. રોમ

Question Number : 66 Question Id : 4050367377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

થોડા સમય પહેલા જ્યાં આગ લાગી હતી તે પ્રસિદ્ધ નોટ્રે
ડેમ કેથેડ્રલ ક્યાં આવેલું છે ?

Options :

40503626946. પેરિસ

40503626947. હેગ

40503626948. વેનિસ

40503626949. રોમ

Question Number : 67 Question Id : 4050367378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The concept of CharBagh garden found in
which one of the following garden
concepts ?

Options :

40503626950. Christian

40503626952. Islamic

40503626953. Zen

Question Number : 67 Question Id : 4050367378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

चारबाग उद्यान की अवधारणा निम्नलिखित में से किस में पायी जाती है?

Options :

40503626950. ईसाई

40503626951. चीनी

40503626952. इस्लामी

40503626953. जेन

Question Number : 67 Question Id : 4050367378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

ચારબાગ ઉદ્યાન (બાગ) નો ખ્યાલ (concept) નીચેનામાંના કયા ઉદ્યાન ખ્યાલોમાં જોવા મળે છે?

Options :

40503626950. ખ્રિસ્તી

40503626951. ચીની

40503626952. ઈસ્લામી

40503626953. ઝેન (Zen)

Question Number : 68 Question Id : 4050367379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Where is the Bara Imambara located ?

Options :

40503626954. Kolkata

40503626955. Mumbai

40503626956. Hyderabad

40503626957. Lucknow

Question Number : 68 Question Id : 4050367379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

बारा इमामबाड़ा निम्नलिखित में से कहाँ स्थित है ?

Options :

40503626954. कोलकाता

40503626956. હૈદરાબાદ

40503626957. લખનઊ

Question Number : 68 Question Id : 4050367379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

બારા ઈમામબારા (Bara Imambara) ક્યાં આવેલું છે ?

Options :

40503626954. કોલકત્તા

40503626955. મુંબઈ

40503626956. હૈદરાબાદ

40503626957. લખનઊ

Question Number : 69 Question Id : 4050367380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the colors reflects the maximum light ?

Options :

40503626958. Red

40503626960. White

40503626961. Black

Question Number : 69 Question Id : 4050367380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

કૌન સા રંગ અધિકતમ પ્રકાશ કો દર્શાતા હૈ ?

Options :

40503626958. લાલ

40503626959. હરા

40503626960. સફેદ

40503626961. બ્લૈક

Question Number : 69 Question Id : 4050367380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

નીચેનામાંનો કયો રંગ, મહત્તમ પ્રકાશ પરાવર્તિત કરે છે ?

Options :

40503626958. લાલ

40503626960. सफ़ेद

40503626961. कालो

Question Number : 70 Question Id : 4050367381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following colors denotes equality ?

Options :

40503626962. White

40503626963. Blue

40503626964. Indigo

40503626965. Red

Question Number : 70 Question Id : 4050367381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा रंग समानता को दर्शाता है ?

Options :

40503626962. सफ़ेद

40503626964. ઇંડિગો

40503626965. લાલ

Question Number : 70 Question Id : 4050367381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

નીચેનામાંનો કયો રંગ સમાનતા દર્શાવે છે?

Options :

40503626962. સફેદ

40503626963. વાદળી

40503626964. ગળી

40503626965. લાલ

Question Number : 71 Question Id : 4050367382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Which one of the following describes the texture of a hand made brick ?

Options :

40503626966. Smooth

..... Glossy

40503626968. Rough

40503626969. Silky

Question Number : 71 Question Id : 4050367382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन-सा एक हाथ से बनी ईट की बनावट
का वर्णन करता है?

Options :

40503626966. स्मूथ

40503626967. चमकदार

40503626968. खुरदरा

40503626969. रेशमी

Question Number : 71 Question Id : 4050367382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

નીચેનામાંથી કોણ હાથ વડે બનાવેલ ઈંટના ટેક્સચર
(texture) નું વર્ણન કરે છે?

Options :

40503626966. લીસું

40503626968. भरभयु

40503626969. रेशमी

Question Number : 72 Question Id : 4050367383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

What are shafts used for in buildings ?

Options :

40503626970. Beauty

40503626971. Concealing pipes

40503626972. Structural strength

40503626973. Stability

Question Number : 72 Question Id : 4050367383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

इमारतों में शाफ्ट किसके लिए उपयोग किया जाता है ?

Options :

40503626970. सुंदरता

पादप छपाने के लिए

40503626972. સંરચનાત્મક શક્તિ

40503626973. સ્થિરતા

Question Number : 72 Question Id : 4050367383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

ઈમારતોમાં શાફ્ટ (shaft) નો ઉપયોગ શાના માટે કરવામાં આવે છે?

Options :

40503626970. સુંદરતા

40503626971. પાઈપો છુપાવવા

40503626972. બાંધકામની મજબૂતી

40503626973. સ્થિરતા

Question Number : 73 Question Id : 4050367384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following is the most suitable material for toilet floors ?

Options :

40503626974. Polished granite

40503626975. Non skid tiles

40503626976. Wood

40503626977. Carpet

Question Number : 73 Question Id : 4050367384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा शौचालय के फर्श के लिए सबसे उपयुक्त सामग्री है?

Options :

40503626974. पॉलिश ग्रेनाइट

40503626975. नॉन स्किड टाइल्स

40503626976. लकड़ी

40503626977. कालीन

Question Number : 73 Question Id : 4050367384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

નીચેનામાંથી કયો પદાર્થ સંડાસના ભોંયતળિયા માટે સૌથી વધુ અનુકૂળ છે?

Options :

40503626975. लपसाय नहीं तेची टाईल्स (Non skid tiles)

40503626976. लाकड़ें

40503626977. गासीयो (Carpet)

Question Number : 74 Question Id : 4050367385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Who amongst the following designed
Indian Institute of Management ?

Options :

40503626978. Charles Correa

40503626979. B.V. Doshi

40503626980. Louis Kahn

40503626981. A.P. Kanvinde

Question Number : 74 Question Id : 4050367385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से किसने भारतीय प्रबंधन संस्थान का
निर्माण किया था ?

40503626978. ચાર્લ્સ કોરિઆ

40503626979. બી.વી. દોશી

40503626980. લુઇસ કાહ

40503626981. એ.પી. કાંવિંદ

Question Number : 74 Question Id : 4050367385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

ઇન્ડીયન ઇન્સ્ટીટ્યુટ ઓફ મેનેજમેન્ટની રચના (design) નીચેનામાંથી કોણે કરી?

Options :

40503626978. ચાર્લ્સ કોરિઆ

40503626979. બી.વી. દોશી

40503626980. લુઇસ કાહ

40503626981. એ.પી. કાંવિંદ

Question Number : 75 Question Id : 4050367386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1

Options :

40503626982. Frank Ghery

40503626983. Zaha Hadid

40503626984. Norman Foster

40503626985. Frank Lloyd Wright

Question Number : 75 Question Id : 4050367386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से किसने फॉलिंग वाटर्स का डिज़ाइन किया था ?

Options :

40503626982. फ्रैंक घेरि

40503626983. जहा हदीद

40503626984. नॉर्मन फोस्टर

40503626985. फ्रैंक लॉयड राइट

Question Number : 75 Question Id : 4050367386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ફોલ્લીંગ વોટર્સ (falling Waters) ની રચના (design)
નીચેનામાંથી કોણે કરી?

Options :

40503626982. ફેન્ક ઘેરી

40503626983. જહા હદીદ

40503626984. નોર્મન ફોસ્ટર

40503626985. ફેન્ક લોઇડ રાઇટ

Drawing

Section Id :

405036260

Section Number :

3

Section type :

Offline

Mandatory or Optional :

Mandatory

Number of Questions :

2

Number of Questions to be attempted :

2

Section Marks :

100

Display Number Panel :

Yes

Group All Questions :

Yes

Mark As Answered Required? :

Yes

Sub-Section Number :

1

Sub-Section Id :

405036542

Question Shuffling Allowed :

No

In the space provided for the answer of this question, draw an aesthetic composition appropriate to this space using only rectangles. There is no restriction to numbers, sizes, placement and directions of these shapes. Color this composition so that it becomes visually exciting.

Question Number : 76 Question Id : 4050367387 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

इस प्रश्न के उत्तर के लिए प्रदान की गई जगह में, आयतों का उपयोग करके इस स्थान के लिए उपयुक्त एक सौंदर्य संरचना तैयार करें। इन आकृतियों की संख्या, आकार, प्लेसमेंट और दिशानिर्देशों पर कोई प्रतिबंध नहीं है। इस रचना को रंग दें ताकि यह दृष्टि से रोमांचक हो जाए।

Question Number : 76 Question Id : 4050367387 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

આ પ્રશ્નનાં જવાબ માટે આપેલ જગ્યાને અનુરૂપ, ફક્ત લંબચોરસોનો ઉપયોગ કરી, એક સુંદર રચના તૈયાર કરો. આ આકારોની સંખ્યા, કદ, ગોઠવણી અને દિશાઓ પર કોઈ મર્યાદા નથી. આ રચનામાં રંગ પૂરો કે જેથી તે જવાબમાં રોમાંચક લાગે.

Question Number : 77 Question Id : 4050367388 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

Draw from imagination a highway on which cars and trucks are moving in both directions.

OR

Draw from imagination an interior of cinema hall.

OR

Draw from memory your best teachers face.

Question Number : 77 Question Id : 4050367388 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

कल्पना से एक राजमार्ग का चित्र बनायें जिस पर कार और ट्रक दोनों दिशाओं में आगे बढ़ रहे हैं।

अथवा

सिनेमा हॉल के एक अंदर का दृश्य कल्पना से चित्रित करें।

अथवा

अपने सबसे अच्छे शिक्षक के चेहरे का स्मृति से चित्र बनायें।

Question Number : 77 Question Id : 4050367388 Question Type : SUBJECTIVE Display Question Number : Yes Correct Marks : 50

તમારી કલ્પનાથી એક હાઈવેની રચના કરો જેનાં પર કારો
અને ટ્રકો, બન્ને દિશાઓમાં ગતિ કરી રહ્યા છે.

અથવા

તમારી કલ્પનાથી એક સિનેમા હોલના અંદરનું દૃશ્ય તૈયાર
કરો.

અથવા

તમારી સ્મરણશક્તિથી તમારા શ્રેષ્ઠ શિક્ષકનો ચહેરો બનાવો.

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