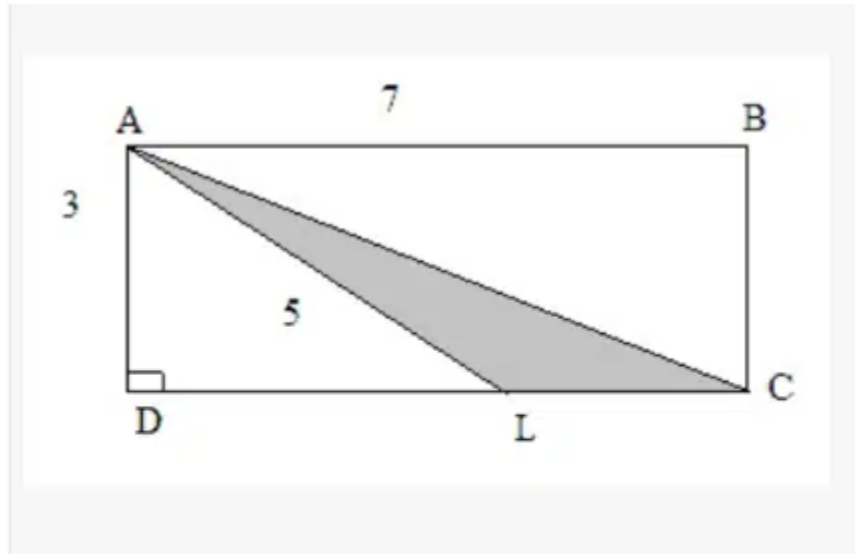


GRE Quantitative Practice Test 8

Question 1

What is the area of triangle ALC in the figure given below?



☐ a. 2.5

☐ b. 3

☐ c. 3.5

☐ d. 4

☐ e. 4.5

Question 2

Alan has two more than twice as many chocolates as does Alice, and half as many chocolates as does Nadia. If Alice has 'a' number of chocolates, then in terms of 'a', how many chocolates do Alan, Alice and Nadia have?

☐ a. $2a + 4$

☒ b. $5a + 5$

☐ c. $6a + 7$

☐ d. $7a + 6$

☐ e. $9a + 4$

Question 3

Milk needs to be thinned to a ratio of 3 parts milk to 2 parts water. The milk-man has by mistake added water so that he has 8 liters of milk which is half water and half milk. What must he add to make the proportions of the mixture correct?

☐ a. 1 liter milk

☐ b. 1 liter water

☐ c. 2 liters milk

☐ d. 1.5 liter milk

☐ e. 3 Liter milk

Question 4

The width of a rectangle is $\frac{2}{3}$ times its length. If the length is calculated to be 9, what is the value of perimeter for this rectangle?

☐ a. 36

☐ b. 9

☐ c. 12

☐ d. 54

☐ e. 30

Question 5

A line l is parallel to the y -axis and passes through the point $(2,3)$. What is its gradient (m) and x -intercept?

☐ a. $m = 0$, $x = (3,0)$

☐ b. $m = \infty$, $x = (2,0)$

☐ c. $m = 0$, $x = (2,0)$

☐ d. $m = \infty$, $x = (3,0)$

☐ e. $m = 2$, $x = (0,0)$

6. If $0 < st < 1$, then which of the following can be true?

$s < -1$ and $t > 0$

$s < -1$ and $t < -1$

$s > -1$ and $t < -1$

$s > 1$ and $t < -1$

$s > 1$ and $t > 1$

7. In a certain shop, notebooks that normally sell for 59 cents each are on sale at 2 for 99 cents. How much can be saved by purchasing 10 of these notebooks at the sale price?

- \$0.85
- \$0.95
- \$1.00
- \$1.05
- \$1.10

Questions 8-10 are based on following table

Below is table for percent change in sales of some retail stores from 2008-2010

Percent Change		
Store	From 2008 to 2009	From 2009 to 2010
A	+10	-10
B	-10	+11
C	+20	+6
D	+5	-5
E	+7	-4

8. In 2010, for which of the stores was the dollar amount of sales greater than that of any of the others shown?

- A
- B
- C
- D

It cannot be determined from the information given.

9. In store D, the dollar amount of sales for 2009 was approximately what percent of the dollar amount of sales for 2010?

- 105%
- 106%
- 95%
- 104%

It cannot be determined from the information given.

10. Assuming sale at each store was same (in dollar amount) at beginning of 2008, which store has minimum sale at end of 2010?

A

B

D

E

It cannot be determined from the information given.