

GRE Quantitative Practice Test 6

Question 1

What is the correct answer?

1. Quantity in column 1 is higher
2. Quantity in column 2 is higher
3. The data provided isn't enough to determine the answer
4. Both the quantities given are equal

Question 2

Assume that y is greater than 3.

Quantity 1: $(4y+2)/5$

Quantity 2: Y

What is the correct answer?

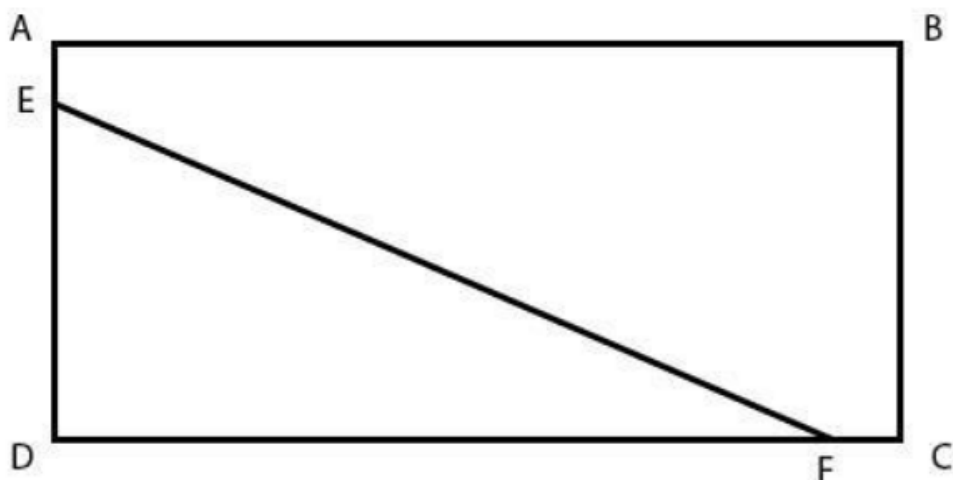
1. Quantity in column 1 is higher
2. Quantity in column 2 is higher
3. The data provided isn't enough to determine the answer
4. Both the quantities given are equal

Question 3

If $8x+64 = 8-6x$, what is the value of x ?

1. -4
2. -56
3. 12
4. 7
5. 4

Question 4



Difficulty level: Average

In the rectangle above, $AB = x$ feet, $BC = y$ feet, and $AE = FC = 2$ feet. What is the area of triangle DEF, in square feet?

1. $xy - 2x - 2y + 4$
2. $xy - 2x - 2y - 4$
3. $xy/2 - x - y + 2$
4. $xy/2 - x - y - 2$
5. $xy/2 + 2$

Question 5

There is a glass jar containing 60 jelly beans. Out of these 60 jelly beans, 22 are black, 18 are blue, 11 are orange, 5 are maroon and 4 are violet. Assume that a single jelly bean has to be chosen at random. Then what is the probability that the jelly bean will be neither maroon nor violet?

1. 0.09
2. 0.15
3. 0.54
4. 0.85
5. 0.91

Question 6

Which two of the following numbers have a product that is between -1 and 0 ?

1. -20
2. -10
3. 2^{-4}
4. 3^{-2}

Question 7

The average of 10 numbers is 7. Which of the following statements is true? Indicate all true statements.

1. The average increases by 1 if each number increases by 1
2. The average becomes 3 times, if each number becomes three times
3. If the sum of the numbers increases by 7, the average increases by 1
4. If seven numbers increase by 3 each and three numbers decrease by 7 each, the average remains the same
5. The sum of the numbers is 70

Question 8

One pen costs \$0.25 and one marker costs \$0.35. At those prices, what is the total cost of 18 pens and 100 markers?

\$The answer space consists of a dollar sign, followed by a box for the answer.

Question 9

Rectangle R has length 30 and width 10, and square S has length 5. The perimeter of S is what fraction of the perimeter of R ?

The answer space consists of a fraction bar, and two boxes, one above and one below the fraction bar.

Question 10

Working alone at its constant rate, machine A produces k liters of a chemical in 10 minutes. Working alone at its constant rate, machine B produces k liters of the chemical in 15 minutes. How many minutes does it take machines A and B, working simultaneously at their respective constant rates, to produce k liters of the chemical?

The answer space consists of a fraction bar, and two boxes, one above and one below the fraction bar.