

GRE Quant Practice Test 10

Question 1

Neither x nor y is equal to 0.

$$xy = 4y/x$$

Quantity A: x

Quantity B: 2

Possible Answers:

Quantity A is greater.

Quantity B is greater.

The relationship cannot be determined from the information given.

The two quantities are equal.

Question 2

$$10 < x < 20$$

Quantity A:

x

2

Quantity B: 399

Possible Answers:

Quantity B is greater.

The two quantities are equal.

The relationship cannot be determined from the information given.

Quantity A is greater.

Question 3

Quantity A: 9

Quantity B: $\sqrt{25 + 55}$

Possible Answers:

The two quantities are equal.

The relationship cannot be determined from the information given.

Quantity A is greater.

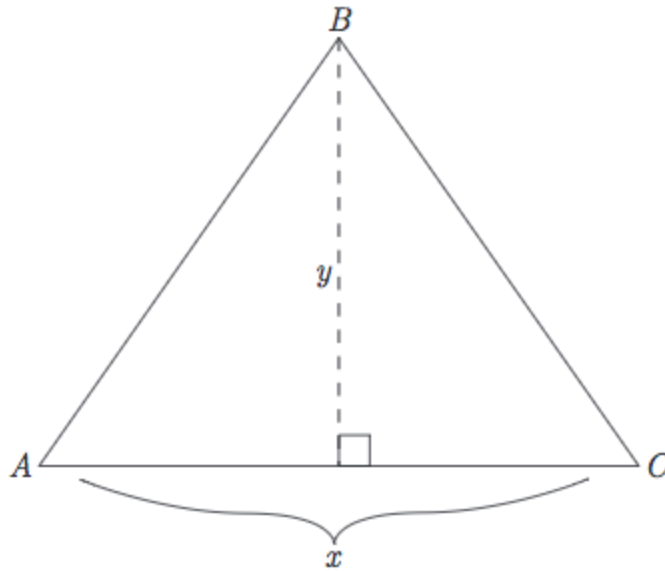
Quantity B is greater.

Question 4

A certain pet store sells only dogs and cats. In March, the store sold twice as many dogs as cats. In April, the store sold twice the number of dogs that it sold in March, and three times the number of cats that it sold in March. If the total number of pets the store sold in March and April combined was 500, how many dogs did the store sell in March?

- (A) 80
- (B) 100
- (C) 120
- (D) 160
- (E) 180

Question 5



$\triangle ABC$ has an area of 108 cm^2 . If both x and y are integers, which of the following could be the value of x ?

Indicate all such values.

- (A) 4
- (B) 5
- (C) 6
- (D) 8
- (E) 9

Question 6

If an integer is divisible by both 12 and 27, then the integer must be divisible by which of the following?

- (A) 48
- (B) 54
- (C) 81
- (D) 108
- (E) 324

Question 7

What is the sum of the digits of $28 + (-3)^5 + (-4)^2$?

- (A) 5
- (B) 7
- (C) 11

- (D) 12
(E) 14

Question 8

Stacy needs to drive 75 miles on a highway with a speed limit of 65 mph. If she starts at 3:00pm, and drives the speed limit, at what time can she expect to arrive at her destination?

- (A) 3:56
(B) 4:03
(C) 4:07
(D) 4:09
(E) 4:13

Question 9

A sequence is defined by the rule, $t_1=3$, $t_2=2$, and for $n \geq 3$, $t_n=t_{n-1}+2t_{n-2}$. What is the value of t_5 ?

- (A) 6
(B) 5
(C) 8
(D) 12
(E) 28

Question 10

n is a positive integer

Quantity A	Quantity B
The remainder when n is divided by 7.	The remainder when $n+21$ is divided by 7.