

1

Quantity A

$$-7/9 + 4/7$$

Quantity B

$$-7/9 \times 4/7$$

2

Q. X,Y are whole Numbers. XY is a multiple of 6.

Quantity A

$$X+Y$$

Quantity B

$$XY$$

3

Q. Quantity A

$$4X$$

Quantity B

$$5X$$

4

Q. $x^3 = 3375$

Quantity A

Greatest Prime factor of $30x$

Quantity B

$$x$$

5

Quantity A

$$7^3 \times 25$$

Quantity B

$$35 \times 49$$

6

In a group of children the ratio of boys to girls is 3 : 4. The ratio of children who prefer chocolate ice cream to children who prefer vanilla ice cream is 5 : 9. every child either prefers chocolate ice cream or vanilla ice cream and no one prefers both.

Quantity A

The number of boys in the group

Quantity B

The number of children who prefer chocolate ice cream

7

X is an odd Integer

Quantity A

Number of different prime factors of X^2

Quantity B

Number of different Prime factors of $3X$

8

For all numbers $X\# = 45 - X$

Quantity A

$(X\#)\#$

Quantity B

X

9

Points A,B,C lie on the numberline. Point B is in between A and C. The distance between C and B is 10 units and the distance between A and C is 24 units.

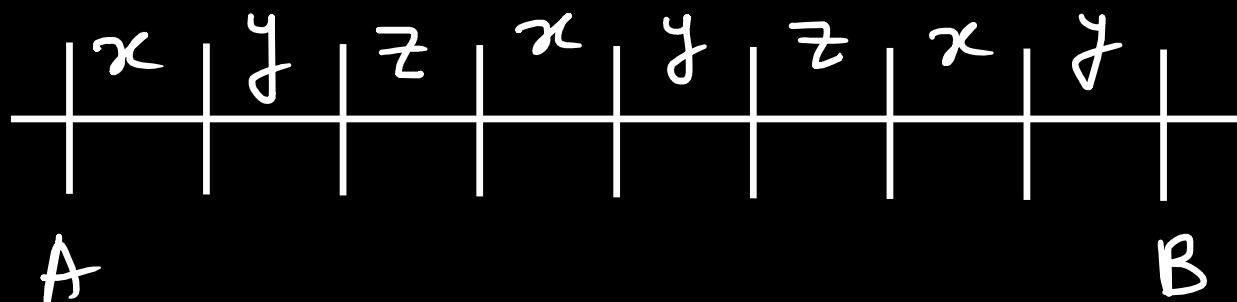
Quantity A

Distance between midpoint of line segment AB and point C.

Quantity B

Distance between midpoint of line segment AC and point B

10



$$Y-X = Z-Y = 1, AB = 23$$

Quantity A

X

Quantity B

4

11

A

$$\sqrt[3]{270} - \sqrt[3]{10}$$

B

$$\sqrt[3]{80}$$

12

X is the decimal form of the fraction $7 / 11$

Quantity A

The 213th digit to the right of the decimal point in X

Quantity B

5

13

X is the decimal form of the fraction $1 / 7$

Quantity A

The 118th digit to the right of the decimal point in X

Quantity B

7

14

X is the decimal form of the ratio of the circumference of a Circle and its diameter

Quantity A

The 18th digit to the right of the decimal point in X

Quantity B

11

15

X and Y are consecutive odd integers. $Z = X^2 + Y$

Quantity A

$(-3)^Z$

Quantity B

3

16

$X > 0$ and X is not 1

Quantity A

$7X^3 - 3X^2$

Quantity B

$35X^2 / 5X$

ANSWERS

1. A

2. D

3. D

4. B

5. A

6. A

7. D

8. C

9. A

10. B

11. C

12. A

13. A

14. B

15. D

16. D