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Maths Operations Questions for CGL Tier 1 and SSC 10+2

Maths Operation Quiz 1

Directions: Kindly solve the following questions and choose an option as your answer for each.

1. If ' $<$ ' means 'minus', ' $>$ ' means 'plus', ' $=$ ' means 'multiplied by' and ' $\$$ ' means 'divided by' then what would be the value of $35 > 63 \$ 7 < 4$?

A. 38 B. 40 C. 44 D. 47

2. If ' $+$ ' means 'divided by', ' $-$ ' means 'added to', ' \times ' means 'subtracted from' and ' \div ' means 'multiplied by', then what is the value of $17 \div 11 - 12 + 9$?

A. 189 B. 192 C. 98 D. 148

3. If ' $\$$ ' means '+', '# means '-', '@ means \times ' and '*' means \div , then what is the value of $12 \$ 6 @ 8 \# 65 * 5$?

A. 39 B. 39 C. 47 D. 53

4. If ' \div ' means \times , ' \times ' means '+', '+' means '-' and '-' means \div , find the value of $19 \times 3 + 7 - 2 \div 6$.

A. 1 B. 21 C. 23 D. 0

5. If ' $+$ ' means \div , ' \div ' means '-', '-' means \times , ' \times ' means '+', then $16 + 8 \div 4 - 3 \times 10 = ?$

A. 0 B. .2 C. 14 D. 25

6. If + means \times , \times means \div , \div means + and \times means \div , then $12 - 4 \div 9 \times 3 \div 3 = ?$

- A. 24 B. 48 C. 76 D. 67

7. If \times means \div , \div means \times , \div means + and + means \times , then $(5 - 17 \div 5) \times 9 + 13 = ?$

- A. 2 B. -2 C. 3 D. -3

8. If \times means +, + means \div , \div means \times and \div means \times , then $7 \times 7 - 7 + 35 \div 3 = ?$

- A. $5\frac{3}{7}$ B. $5\frac{3}{7}$ C. $3\frac{2}{7}$ D. $\frac{2}{7}$

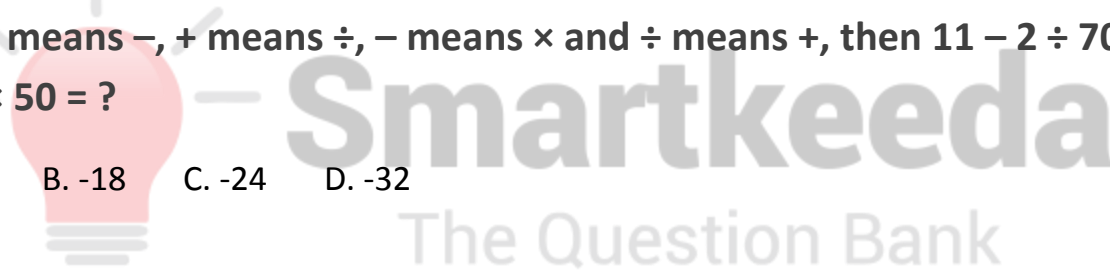
9. If \times means \div , \div means \times , \div means \times and \div means +, then $11 - 2 \div 700 + 70 \times 50 = ?$

- A. -10 B. -18 C. -24 D. -32

10.

If \div means +, \div means \div , \times means \times and + means \times , then $\frac{(72 \times 8) - 16 \times 8}{6 + 5 \times 2 + 15 \div 2}$.

- A. -1 B. -2 C. 1 D. 2



Correct Answers:

1	2	3	4	5	6	7	8	9	10
B	A	C	A	A	B	D	B	B	B

Explanations:

1.

$$35 + 63 \div 7 - 4$$

$$\Rightarrow 35 + 9 - 4$$

$$\Rightarrow 40.$$

Hence, the option B is correct.

2.

$$17 \times 11 + 12 \div 6$$

$$\Rightarrow 187 + 2$$

$$\Rightarrow 189.$$

Hence, the option A is correct.

3.

$$12 + 6 \times 8 - 65 \div 5$$

$$\Rightarrow 12 + 48 - 13$$

$$\Rightarrow 60 - 13$$

$$\Rightarrow 47.$$

Hence, the option C is correct.

4.

$$19 + 3 - 7 \div 2 \times 6$$

$$\Rightarrow 19 + 3 - \frac{7}{2} \times 6$$



$$\Rightarrow 22 - 21$$

$$\Rightarrow 1$$

Hence, the option A is correct.

5.

$$16 \div 8 - 4 \times 3 + 10$$

$$\Rightarrow 2 - 12 + 10$$

$$\Rightarrow 12 - 12 = 0.$$

Hence, the option A is correct.

6.

$$12 \times 4 - 9 \div 3 + 3$$

$$\Rightarrow 48 - 3 + 3$$

$$\Rightarrow 48.$$

Hence, the option B is correct.

7.

$$(5 \times 17 + 5) \div 9 - 13$$

$$\Rightarrow 90 \div 9 - 13$$

$$\Rightarrow 10 - 13$$

$$\Rightarrow -3.$$

Hence, the option D is correct.

8.

$$7 + 7 \times 7 \div 35 - 3$$

$$\Rightarrow 7 + 7 \times \frac{1}{5} - 3$$

$$\Rightarrow 4 + \frac{7}{5}.$$

$$5\frac{2}{7}.$$

Hence, the option B is correct.



9.

$$11 \times 2 + 700 \div 70 - 50$$

$$\Rightarrow 22 + 10 - 50$$

$$\Rightarrow 32 - 50$$

$$\Rightarrow -18.$$

Hence, the option B is correct.

10.

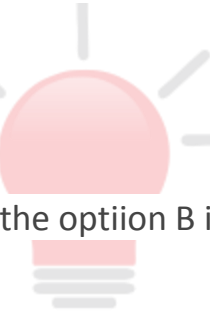
$$\frac{(72 - 8) \div 16 - 8}{6 \times 5 - 2 \times 15 + 2}$$

$$\Rightarrow \frac{64 \div 16 - 8}{30 - 30 + 2}$$

$$\Rightarrow \frac{4 - 8}{2}$$

$$\Rightarrow -2.$$

Hence, the option B is correct.



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