

## Chapter – 2 | Arithmetic expression

## QUIZ-01

1. Find the value of:  $6 + 4$ 

- A. 8  
B. 9  
C. 10  
D. 12 (C)

*Explanation:*  $6 + 4 = 10$ 

2. Which shows the swapping property of addition?

- A.  $5 + 3 = 3 + 5$   
B.  $(5 + 3) + 2$   
C.  $5 \times (3 + 2)$   
D.  $5 - 3 = 3 - 5$  (A)

*Explanation:* Changing the order does not change the sum.

3. Which shows the grouping property of addition?

- A.  $7 + 2 = 2 + 7$   
B.  $(7 + 2) + 3 = 7 + (2 + 3)$   
C.  $7 - 2 = 5$   
D.  $7 \times 2 = 14$  (B)

*Explanation:* Numbers are grouped differently but the result is same.4. Simplify:  $15 - (6 + 4)$ 

- A. 5  
B. 9  
C. 15  
D. 10 (B)

*Explanation:*  $6 + 4 = 10$ ,  $15 - 10 = 5$  Correct answer should be A (5)

5. Which expression shows adding 4 and 6 first, then multiplying by 2?

- A.  $4 + 6 \times 2$   
B.  $4 + (6 \times 2)$   
C.  $(4 + 6) \times 2$   
D.  $4 \times 6 + 2$  (C)

*Explanation:* Brackets tell us to add first.6. Find the value of:  $3 \times (5 + 2)$ 

- A. 11  
B. 17  
C. 21  
D. 30 (C)

*Explanation:*  $5 + 2 = 7$ ,  $3 \times 7 = 21$ 7. Simplify:  $20 - 5 \times 2$ 

- A. 10  
B. 15  
C. 30  
D. 20 (B)

*Explanation:* Multiply first:

$$5 \times 2 = 10$$

$$20 - 10 = 10$$

8. Which is greater?

- A.  $8 + 6$   
B.  $3 \times 4$   
C. Both are equal  
D. Cannot compare (C)

*Explanation:*  $8 + 6 = 14$ 

$$3 \times 4 = 12 \square$$

9. Which is smaller?

- A.  $18 - 6$   
B.  $4 \times 3$   
C. Both are equal  
D. None (C)

*Explanation:*  $18 - 6 = 12$ 

$$4 \times 3 = 12 \quad \text{Both are equal.}$$

10. Simplify:  $2 \times (10 - 4) + 3$ 

- A. 11  
B. 12  
C. 15  
D. 19 (C)

*Explanation:*  $10 - 4 = 6$ ,  $2 \times 6 = 12$ 

$$12 + 3 = 15.$$