

CHAPTER-2 | ARITHMETIC EXPRESSIONS

QUIZ
PART-05

1. A drone goes 6 m up and then 4 m down. Which expression shows its final height from the terrace?

- A. $6 + 4$
 B. $6 - 4$
 C. $4 - 6$
 D. 6×4 (B)

Explanation: Going up is positive and going down is negative, so the expression is $6 - 4$.

2. Value of $6 - 4$ is:

- A. 1 B. 2
 C. 3 D. 4 (B)

Explanation: After going 6 m up and 4 m down, the drone is 2 m above the terrace.

3. Which expression is equal to $6 - 4$?

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

Explanation: $6 - 4$ can be written as $6 + (-4)$, which is the same as $-4 + 6$.

4. In an expression with two terms, swapping the terms does not change the value. This is called:

- A. Division property
 B. Associative property
 C. Commutative property
 D. Subtraction property (C)

Explanation: Swapping terms without changing the sum is the commutative property of addition.

5. Which of the following shows the commutative property?

- A. $4 + 5 = 5 + 4$
 B. $(4 + 5) + 3 = 4 + (5 + 3)$
 C. $4 - 5 = 5 - 4$
 D. $4 \times 5 = 4 + 5$ (A)

Explanation: The order of addends is changed, but the sum stays the same.

6. Grouping terms without changing the sum is called:

- A. Commutative property
 B. Associative property
 C. Distributive property
 D. Division property (B)

Explanation: The associative property says grouping of addends does not change the sum.

7. Which of the following shows the associative property?

- A. $7 + 2 = 2 + 7$
 B. $(3 + 4) + 5 = 3 + (4 + 5)$
 C. $8 - 3 = 3 - 8$
 D. $6 + 1 = 7$ (B)

Explanation: Only the grouping changes, not the order.

8. The value of $(-7) + 10 + (-11)$ is:

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

Explanation: First $-7 + 10 = 3$, then $3 + (-11) = -8$.

9. The value of $-6 + 10 - 2$ is:

- A. 1 B. 2
 C. 3 D. 4 (B)

Explanation: $-6 + 10 = 4$, and $4 - 2 = 2$.

10. Manasa got 11749 as a sum but forgot to include 9055. What should she do?

- A. Subtract 9055
 B. Multiply by 9055
 C. Add 9055
 D. Start again from zero only (C)

Explanation: She only needs to add the missing number to the sum because order does not change the total.