

CHAPTER-2 | ARITHMETIC EXPRESSIONS

QUIZ
PART-18

1. $3 \times (5 + 8) = 3 \times 5 + 3 \times \underline{\hspace{2cm}}$

- A. 5
B. 8
C. 3
D. 13 (B)

Explanation: Distributive property \rightarrow multiply 3 with both 5 and 8.

2. $(9 + 2) \times 4 = 9 \times 4 + 2 \times \underline{\hspace{2cm}}$

- A. 2
B. 4
C. 9
D. 11 (B)

Explanation: 4 multiplies both 9 and 2.

3. $5 \times (9 - 2) = 5 \times 9 - 5 \times \underline{\hspace{2cm}}$

- A. 2
B. 5
C. 7
D. 9 (A)

Explanation: Apply distributive property for subtraction.

4. $(5 - 2) \times 7 = 5 \times 7 - 2 \times \underline{\hspace{2cm}}$

- A. 2
B. 5
C. 7
D. 12 (C)

Explanation: 7 multiplies both numbers inside bracket.

5. $5 \times (8 - 3) = 5 \times 8 - 5 \times \underline{\hspace{2cm}}$

- A. 3
B. 5
C. 8
D. 13 (A)

Explanation: Multiply 5 with 3 and subtract.

6. $(8 - 3) \times 7 = 8 \times 7 \underline{\hspace{1cm}} 3 \times 7$

- A. +
B. -
C. \times
D. \div (B)

Explanation: Subtraction inside bracket gives subtraction outside.

7. $3 \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}}) = 3 \times 5 + 3 \times 2$

- A. 5, 2
B. 3, 2
C. 5, 3
D. 2, 2 (A)

Explanation: Numbers inside bracket must match expanded form.

8. $(\underline{\hspace{1cm}} + \underline{\hspace{1cm}}) \times \underline{\hspace{1cm}} = 2 \times 4 + 3 \times 4$

- A. 4, 4, 5
B. 2, 3, 4
C. 2, 4, 3
D. 3, 4, 2 (B)

Explanation: Factor out 4 $\rightarrow (2 + 3) \times 4$.

9. $5 \times (\underline{\hspace{1cm}} - \underline{\hspace{1cm}}) = 5 \times 9 - 5 \times 4$

- A. 4, 9
B. 9, 4
C. 5, 4
D. 9, 5 (B)

Explanation: Numbers must be in same order: $9 - 4$.

10. $(\underline{\hspace{1cm}} - \underline{\hspace{1cm}}) \times \underline{\hspace{1cm}} = 17 \times 7 - 9 \times 7$

- A. 17, 9, 7
B. 7, 17, 9
C. 17, 7, 9
D. 9, 17, 7 (A)

Explanation: Factor 7 $\rightarrow (17 - 9) \times 7$.