

CHAPTER-2 | ARITHMETIC EXPRESSIONS

QUIZ
PART-14

1. Which bracketing makes $34 - 9 + 12 = 13$?

- A. $(34 - 9) + 12$
 B. $34 - (9 + 12)$
 C. $34 - (9 - 12)$
 D. $(34 + 9) - 12$ (B)

Explanation: $9 + 12 = 21$, so $34 - 21 = 13$.

2. Value of $34 - (9 + 12)$ is

- A. 11
 B. 12
 C. 13
 D. 15 (C)

Explanation: First add inside the bracket: $9 + 12 = 21$.

Then $34 - 21 = 13$.

3. Which bracketing makes $56 - 14 - 8 = 34$?

- A. $(56 - 14) - 8$
 B. $56 - (14 - 8)$
 C. $(56 + 14) - 8$
 D. $56 - (14 + 8)$ (A)

Explanation: $56 - 14 = 42$, and $42 - 8 = 34$.

4. Which bracketing gives -22 for $-22 - 12 + 10 + 22$?

- A. $-22 - (12 + 10 - 22)$
 B. $(-22 - 12) + (10 + 22)$
 C. $-22 - (12 + 10 + 22)$
 D. $(-22 - 12 + 10) + 22$ (A)

Explanation: $12 + 10 - 22 = 0$, so $-22 - 0 = -22$.

5. In $423 + \underline{\quad} = 419 + \underline{\quad}$, if the left blank is 20, the right blank is

- A. 16
 B. 20
 C. 24
 D. 28 (C)

Explanation: Left side is 4 more, so right side must also be 4 more $\rightarrow 20 + 4 = 24$.

6. In $207 - 68 = 210 - \underline{\quad}$, the blank is

- A. 65
 B. 68
 C. 71
 D. 74 (C)

Explanation: Increase of 3 on left, so add 3 to 68 \rightarrow 71.

7. Which expression using 2, 3, 5 gives value 4?

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

Explanation: $2 - 3 = -1$, then $+5 = 4$.

8. Which expression using 2, 3, 5 gives value 0?

- A. $2 + 3 - 5$
 B. $3 - (5 - 2)$
 C. $5 - (3 + 2)$
 D. All of these (D)

Explanation: All simplify to 0.

9. Which is the greatest value using 2, 3, 5 with + and -?

- A. 4
 B. 6
 C. 10
 D. 0 (C)

Explanation: Maximum value comes from adding all $\rightarrow 2 + 3 + 5 = 10$.

10. Which is the smallest value using 2, 3, 5 with + and -?

- A. -10
 B. -6
 C. -4
 D. 0 (B)

Explanation: Minimum is $2 - 3 - 5 = -6$.