

## CHAPTER-2 | ARITHMETIC EXPRESSIONS

QUIZ  
PART-12

1. In  $24 + (6 - 4)$ , the missing sign in  $24 + 6 \_ 4$  is
- A. +  
B. -  
C.  $\times$   
D.  $\div$  (B)

**Explanation:** A plus before bracket keeps signs same  
 $\rightarrow 24 + 6 - 4.$

2. In  $38 + (\_ \_ \_)$ , the correct bracket expression equal to  $38 + 9 - 4$  is
- A.  $9 + 4$   
B.  $9 - 4$   
C.  $-9 + 4$   
D.  $-9 - 4$  (B)

**Explanation:** Plus before bracket  $\rightarrow$  signs remain same  
 $\rightarrow 9 - 4.$

3.  $24 - (6 + 4)$  is equal to
- A.  $24 + 6 + 4$   
B.  $24 - 6 + 4$   
C.  $24 + 6 - 4$   
D.  $24 - 6 - 4$  (D)

**Explanation:** Minus before bracket changes signs  $\rightarrow$   
 $24 - 6 - 4.$

4.  $24 - 6 - 4$  can be written as
- A.  $24 - (6 + 4)$   
B.  $24 - (6 - 4)$   
C.  $24 + (6 - 4)$   
D.  $24 + (6 + 4)$  (A)

**Explanation:** Removing bracket from  $24 - (6 + 4)$  gives  
 $24 - 6 - 4.$

5.  $27 - (8 + 3)$  is equal to
- A.  $27 + 8 + 3$   
B.  $27 - 8 - 3$   
C.  $27 + 8 - 3$   
D.  $27 - 8 + 3$  (B)

**Explanation:** Minus before bracket  $\rightarrow$  both terms become negative.

6.  $27 - 8 + 3$  can be written with brackets as
- A.  $27 - (8 + 3)$   
B.  $27 + (8 - 3)$   
C.  $27 - (8 - 3)$   
D.  $27 + (8 + 3)$  (C)

**Explanation:** Removing bracket of  $27 - (8 - 3)$  gives  
 $27 - 8 + 3.$

7.  $14 + (12 + 10)$  without brackets is
- A.  $14 + 12 + 10$   
B.  $14 - 12 + 10$   
C.  $14 + 12 - 10$   
D.  $14 - 12 - 10$  (A)

**Explanation:** Plus before bracket  $\rightarrow$  no change in signs.

8.  $14 - (12 + 10)$  without brackets is
- A.  $14 + 12 + 10$   
B.  $14 - 12 - 10$   
C.  $14 + 12 - 10$   
D.  $14 - 12 + 10$  (B)

**Explanation:** Minus before bracket  $\rightarrow$  both become minus.

9.  $14 + (12 - 10)$  without brackets is
- A.  $14 - 12 - 10$   
B.  $14 + 12 + 10$   
C.  $14 + 12 - 10$   
D.  $14 - 12 + 10$  (C)

**Explanation:** Plus before bracket  $\rightarrow$  signs remain same.

10.  $14 - (-12 - 10)$  without brackets is
- A.  $14 - 12 - 10$   
B.  $14 + 12 + 10$   
C.  $14 + 12 - 10$   
D.  $14 - 12 + 10$  (B)

**Explanation:** Minus changes signs  $\rightarrow -12 \rightarrow +12, -10 \rightarrow +10.$