



Integers Ex 1.4 Q1

**Answer :**

On applying the BODMAS rule, we get:

$$3 - (5 - 6 \div 3)$$

$$= 3 - (5 - 2) \quad (\text{On performing division})$$

$$= 3 - 3 \quad (\text{On performing subtraction})$$

$$= 0$$

Integers Ex 1.4 Q2

**Answer :**

On applying the BODMAS rule, we get:

$$-25 + 14 \div (5 - 3)$$

$$= -25 + 14 \div 2 \quad (\text{On simplifying brackets})$$

$$= -25 + 7 \quad (\text{On performing division})$$

$$= -18$$

Integers Ex 1.4 Q3

**Answer :**

On applying the BODMAS rule, we get:

$$\begin{aligned} & 25 - \frac{1}{2} \{5+4-(3+2-\overline{1+3})\} \\ &= 25 - \frac{1}{2} \{9 - (3+2-4)\} \quad [\text{Removing vinculum}] \\ &= 25 - \frac{1}{2} \{9 - (5-4)\} \quad [\text{Performing addition}] \\ &= 25 - \frac{1}{2} \{8\} \quad [\text{Performing subtraction}] \\ &= 25 - 4 \\ &= 21 \end{aligned}$$

Integers Ex 1.4 Q4

**Answer :**

On applying the BODMAS rule, we get:

$$\begin{aligned} & 27 - [38 - \{46 - (15 - 11)\}] \quad (\text{On simplifying vinculum}) \\ &= 27 - [38 - \{46 - 4\}] \quad (\text{On simplifying parentheses}) \\ &= 27 - [38 - 42] \quad (\text{On simplifying braces}) \\ &= 27 - (-4) = 31 \end{aligned}$$

\*\*\*\*\* END \*\*\*\*\*