



Integers Ex 1.4 Q10

Answer :

On applying the BODMAS rule, we get:

$$\begin{aligned} & 22 - \frac{1}{4} \left\{ -5 - (-48) \div (-16) \right\} \\ &= 22 - \frac{1}{4} \left\{ -5 - 3 \right\} \quad \left[\text{Performing division} \right] \\ &= 22 - \frac{1}{4} \left\{ -8 \right\} \\ &= 22 - (-2) \quad \left[\text{Removing braces} \right] \\ &= 22 + 2 = 24 \end{aligned}$$

Integers Ex 1.4 Q11

Answer :

On applying the BODMAS rule, we get:

$$\begin{aligned} & 63 - (-3) \{ -2 - \overline{8 - 3} \} \div 3 \{ 5 + (-2)(-1) \} \\ &= 63 - (-3) \{ -2 - 5 \} \div 3 \{ 5 + 2 \} \quad (\text{On simplifying vinculum}) \\ &= 63 - (-3)(-7) \div 3 \times 7 \quad (\text{On simplifying braces}) \\ &= 63 - (21 \div 21) \\ &= 63 - 1 \\ &= 62 \end{aligned}$$

Integers Ex 1.4 Q12

Answer :

On applying the BODMAS rule, we get:

$$\begin{aligned} & [29 - (-2)(6 - (7 - 3))] \div [3 \times \{ -3 \} \times (-2)] \\ &= [29 - (-2)(6 - 4)] \div [3 \times \{ 5 + 6 \}] \quad (\text{On simplifying parentheses}) \\ &= [29 - (-2)(2)] \div [3 \times 11] \quad (\text{On performing subtraction and addition}) \\ &= [29 + 4] \div 33 \quad (\text{On performing multiplication}) \\ &= 33 \div 33 \\ &= 1 \end{aligned}$$

Integers Ex 1.4 Q13

Answer :

(i) $9 (2 + 5)$

(ii) $12 \div (1 + 3)$

(iii) $20 \div (7 - 2)$

(iv) $(2 \times 3) - 8$

(v) $40 \div \{(9 + 10) + 1\}$

(vi) $2 \times \{(19 - 6) - 1\}$

***** END *****