



Exercise 1D

Solution 20

Answer :

(b) -24

$$\begin{aligned}\text{We have } & (-12) \times 6 - (-12) \times 4 \\ & = (-12) \times (6 - 4) \quad [\text{Associative property}] \\ & = -24\end{aligned}$$

Solution 21

Answer :

(b) 810

$$\begin{aligned}& (-27) \times (-16) + (-27) \times (-14) \\ & = (-27) \times (-16 + (-14)) \quad [\text{Associative property}] \\ & = (-27) \times (-30) \\ & = 810\end{aligned}$$

Solution 22

Answer :

(a) -270

$$\begin{aligned}& 30 \times (-23) + 30 \times 14 \\ & = 30 \times (-23 + 14) \quad [\text{Associative property}] \\ & = 30 \times (-9) \\ & = -270\end{aligned}$$

Solution 23

Answer :

(c) 152

Let the other integer be a . Then, we have:

$$\begin{aligned}-59 + a &= 93 \\ \therefore a &= 93 + 59 = 152\end{aligned}$$

Solution 24

Answer :

(b) 90

$$\begin{aligned}x \div (-18) &= -5 \\ \Rightarrow \frac{x}{-18} &= -5 \\ \therefore x &= -18 \times -5 = 90\end{aligned}$$

***** END *****