



Exercise 4B

Q11

Answer :

$$\begin{aligned}\text{Total cost price} &= \text{Price of pencils} + \text{Price of pens} \\ &= 30 + 90 + 25 \\ &= \text{Rs } 145\end{aligned}$$

$$\begin{aligned}\text{Total amount sold} &= \text{Price of pen} + \text{Price of pencils} \\ &= 20 + 70 \\ &= 90\end{aligned}$$

$$\begin{aligned}\text{Selling price} - \text{costing price} &= 90 - 145 \\ &= -55\end{aligned}$$

The negative sign implies loss.

Hence, his net loss was Rs 55.

Q12

Answer :

(i) True

For example: $-2 + (-1) = -3$

(ii) False

It can be negative or positive.

For example: $-2 + 3 = 1$ gives a positive integer, but $-5 + 2 = -3$ gives a negative integer.

(iii) True

For example: $100 + (-100) = 0$

(iv) False

For example: $(-5) + 2 + 3 = 0$

(v) False

$|-5| = 5$ and $|-3| = 3$, $5 > 3$

(vi) False

$|8 - 5| = 3$

$|8| + |-5| = 8 + 5$

$= 13$

$\therefore |8 - 5| \neq |8| + |-5|$

Q13

Answer :

$$(i) a + 6 = 0$$

$$\Rightarrow a = 0 - 6$$

$$\Rightarrow a = -6$$

$$(ii) 5 + a = 0$$

$$\Rightarrow a = 0 - 5$$

$$(iii) a + (-4) = 0$$

$$\Rightarrow a = 0 - (-4)$$

$$\Rightarrow a = 4$$

$$(iv) -8 + a = 0$$

$$\Rightarrow a = 0 + 8$$

$$\Rightarrow a = 8$$

***** END *****

