



Negative Numbers and Integers Ex 5.4 Q1

**Answer :**

(i)  $(-5) - 12 = -17$

(ii)  $8 - (-12) = 8 + 12 = 20$

(iii)  $-135 - (-225) = -135 + 225 = 90$

(iv)  $101 - 1001 = -900$

(v)  $3126 - (-812) = 3126 + 812 = 3938$

(vi)  $-8 - 7560 = -7568$

(vii)  $-4109 - (-3978) = -4109 + 3978 = -131$

(viii)  $-1005 - 0 = -1005$

Negative Numbers and Integers Ex 5.4 Q2

**Answer :**

$$\begin{aligned} \text{(i)} \quad & -27 - (-23) \\ & = -27 + 23 \\ & = -4 \end{aligned}$$

$$\begin{aligned} \text{(ii)} \quad & -17 - 18 - (-35) \\ & = -17 - 18 + 35 \\ & = -35 + 35 \\ & = 0 \end{aligned}$$

$$\begin{aligned} \text{(iii)} \quad & -12 - (-5) - (-125) + 270 \\ & = -12 + (5 + 125 + 270) \\ & = -12 + 400 \\ & = 388 \end{aligned}$$

$$\begin{aligned} \text{(iv)} \quad & 373 + (-245) + (-373) + 145 + 3000 \\ & = 373 - 245 - 373 + (145 + 3000) \\ & = 128 - 373 + 3145 \\ & = -245 + 3145 \\ & = 2900 \end{aligned}$$

$$\begin{aligned} \text{(v)} \quad & 1 + (-475) + (-475) + (-475) + (-475) + 1900 \\ & = 1 (-475 - 475 - 475 - 475) + 1900 \\ & = 1 - 1900 + 1900 \\ & = 1 \end{aligned}$$

$$\begin{aligned} \text{(vi)} \quad & (-1) + (-304) + 304 + 304 + (-304) + 1 \\ & = -1 + (-304 + 304) + (304 - 304) + 1 \\ & = -1 + 0 + 0 + 1 \\ & = 0 \end{aligned}$$

**Answer :**

We have to subtract the sum of  $-5020$  and  $2320$  from  $-709$ .

Sum:

$$-5020 + 2320 = -2700$$

Now,

$$-709 - (-2700) = -709 + 2700 = 1991$$

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