



Exercise 4C

Q1

Answer :

$$\begin{aligned} \text{(i)} \quad & -34 - 18 \\ & = -52 \end{aligned}$$

$$\begin{aligned} \text{(ii)} \quad & 25 - (-15) \\ & = 25 + 15 \\ & = 40 \end{aligned}$$

$$\begin{aligned} \text{(iii)} \quad & -28 \text{ from } -43 \\ & = -43 - (-28) \\ & = -43 + 28 \\ & = -15 \end{aligned}$$

$$\begin{aligned} \text{(iv)} \quad & 68 \text{ from } -37 \\ & = -37 - 68 \end{aligned}$$

$$= -105$$

(v) 219 from 0

$$= 0 - 219$$

$$= -219$$

(vi) -92 from 0

$$= 0 - (-92)$$

$$= 0 + 92$$

$$= 92$$

(vii) -135 from -250

$$= -250 - (-135)$$

$$= -250 + 135$$

$$= -115$$

(viii) -2768 from -287

$$= -287 - (-2768)$$

$$= 2768 - 287$$

$$= 2481$$

(ix) 6240 from -271

$$= -271 - (6240)$$

$$= -271 - 6240$$

$$= -6511$$

Q2

(x) -3012 from 6250

$$= 6250 - (-3012)$$

$$= 6250 + 3012$$

$$= 9262$$

Q2

Answer :

Sum of -1050 and 813:

$$-1050 + 813$$

$$= -237$$

Subtracting the sum of -1050 and 813 from -23:

$$-23 - (-237)$$

$$= -23 + 237$$

$$= 214$$

Q3

Answer :

Sum of 138 and -250:

$$138 + (-250)$$

$$= 138 - 250$$

$$= -112$$

Sum of 136 and -272:

$$= 136 + (-272)$$

$$= 136 - 272$$

$$= -136$$

Subtracting the sum of -250 and 138 from the sum of 136 and -272:

Q3

$$-136 - (-112)$$

$$= -136 + 112$$

$$= -24$$

Q4

Answer :

Adding 33 and -47:

$$33 + (-47)$$

$$= 33 - 47$$

$$= -14$$

Subtracting -84 from -14:

$$-14 - (-84)$$

$$= -14 + 84$$

$$= 70$$

Q5

Answer :

Difference of -8 and -68:

$$-8 - (-68)$$

$$= -8 + 68$$

$$= 60$$

Adding -36 to 60:

$$-36 + 60$$

$$= 24$$

Q6

Answer :

$$(i) [37 - (-8)] + [11 - (-30)]$$

$$\begin{aligned} &= (37 + 8) + (11 + 30) \\ &= 45 + 41 \\ &= 86 \end{aligned}$$

$$\begin{aligned} \text{(ii)} \quad &[-13 - (-17) + [-22 - (-40)]] \\ &= (-13 + 17) + (-22 + 40) \\ &= 4 + 18 \\ &= 22 \end{aligned}$$

***** END *****