



Exercise 4B

Q7

**Answer :**

(i) The successor of 201:

$$201 + 1 = 202$$

(ii) The successor of 70:

$$70 + 1 = 71$$

(iii) The successor of  $-5$ :

$$-5 + 1 = -4$$

(iv) The successor of  $-99$ :

$$-99 + 1 = -98$$

(v) The successor of  $-500$ :

$$-500 + 1 = -499$$

Q8

**Answer :**

(i) The predecessor of 120:

$$120 - 1 = 119$$

(ii) The predecessor of 79:

$$79 - 1 = 78$$

(iii) The predecessor of -8:

$$-8 - 1 = -9$$

(iv) The predecessor of -141:

$$-141 - 1 = -142$$

(v) The predecessor of -300:

$$-300 - 1 = -301$$

**Answer :**

$$\begin{aligned} \text{(i)} \quad & (-7) + (-9) + 12 + (-16) \\ &= 12 - (7 + 9 + 16) \\ &= 12 - 32 \\ &= -20 \end{aligned}$$

$$\begin{aligned} \text{(ii)} \quad & 37 + (-23) + (-65) + 9 + (-12) \\ &= 37 + 9 - (23 + 65 + 12) \\ &= 46 - 100 \\ &= -54 \end{aligned}$$

$$\begin{aligned} \text{(iii)} \quad & (-145) + 79 + (-265) + (-41) + 2 \\ &= 79 + 2 - (145 + 265 + 41) \\ &= 81 - 451 \\ &= -370 \end{aligned}$$

$$\begin{aligned} \text{(iv)} \quad & 1056 + (-798) + (-38) + 44 + (-1) \\ &= 1056 + 44 - (798 + 38 + 1) \\ &= 1100 - 837 \\ &= -263 \end{aligned}$$

Q10

**Answer :**

Let the distance covered in the direction of north be positive and that in the direction of south be negative.

Distance travelled to the north of Patna = 60 km

Distance travelled to the south of Patna = -90 km

Total distance travelled by the car = 60 + (-90)

= -30 km

The car was 30 km south of Patna.

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