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

Q9

Answer:

(i) (−7) + (−9) + 12 + (−16)

  = 12 − (7 + 9 + 16)

  = 12 − 32

  = −20

(ii) 37 + (−23) + (−65) + 9 + (−12)

  = 37 + 9 − (23 + 65 + 12)

  = 46 − 100

  = −54

(iii) (−145) + 79 + (−265) + (−41) + 2

  = 79 + 2 − (145 + 265 + 41)

  = 81 − 451

  = −370

(iv) 1056 + (−798) + (−38) + 44 + (−1)

  = 1056 + 44 − (798 + 38 + 1)

  = 1100 − 837

  = −263

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 *********