



Operations on Whole Numbers Ex 4.2 Q1

Answer :

(i) It can be seen that diagonally, $13 + 12 + 11 = 36$.

Thus,

Number in the first cell of the first row = $36 - (8 + 13) = 15$

Number in the first cell of the second row = $36 - (15 + 11) = 10$

Number in the third cell of the second row = $36 - (10 + 12) = 14$

Number in the second cell of the third row = $36 - (8 + 12) = 16$

Number in the third cell of the third row = $36 - (11 + 16) = 9$

15	8	13
10	12	14
11	16	9

(ii) It can be seen that diagonally, $20 + 19 + 18 + 17 + 16 = 90$.

Thus,

Number in the second cell of the first row = $90 - (22 + 6 + 13 + 20) = 29$

Number in the first cell of the second row = $90 - (22 + 9 + 15 + 16) = 28$

Number in the fifth cell of the second row = $90 - (28 + 10 + 12 + 19) = 21$

Number in the fifth cell of the third row = $90 - (9 + 11 + 18 + 25) = 27$

Number in the fifth cell of the fourth row = $90 - (15 + 17 + 24 + 26) = 8$

Number in the second cell of the fifth row = $90 - (29 + 10 + 11 + 17) = 23$

Number in the third cell of the fifth row = $90 - (6 + 12 + 18 + 24) = 30$

22	29	6	13	20
28	10	12	19	21
9	11	18	25	27
15	17	24	26	8
16	23	30	7	14

Operations on Whole Numbers Ex 4.2 Q2

Answer :

(i) $57839 - 2983 = 54856$

Verification: $54856 + 2983 = 57839$

(ii) $92507 - 10879 = 81628$

Verification: $81628 + 10879 = 92507$

(iii) $400000 - 98798 = 301202$

Verification: $301202 + 98798 = 400000$

(iv) $5050501 - 969696 = 4080805$

Verification: $4080805 + 969696 = 5050501$

(v) $200000 - 97531 = 102469$

Verification: $102469 + 97531 = 200000$

(vi) $3030301 - 868686 = 2161615$

Verification: $2161615 + 868686 = 3030301$

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