NCERT SOLUTIONS FOR CLASS 6 MATHS KNOWING OUR NUMBERS EXERCISE 1.2

Q1. A book exhibition was held for four days in a school. The number of tickets sold at the counter on the first, second, third and final day was respectively 1094, 1812, 2050 and 2751. Find the total number of tickets sold on all the four days.

Ans:

Number of tickets sold on first day = 1,094

Number of tickets sold on second day = 1,812

Number of tickets sold on third day = 2,050

Number of tickets sold on fourth day = + 2,751

Total tickets sold = 7,707

Therefore, 7,707 tickets were sold on all the four days.

Q2. Shekhar is a famous cricket player. He has so far scored 6980 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?

Ans:

Runs to achieve = 10,000

Runs scored = – 6,980

Runs required = 3,020

Therefore, he needs 3,020 more runs.

Q3. In an election, the successful candidate registered 5,77,500 votes and his nearest rival secured 3,48,700 votes. By what margin did the successful candidate win the election?

Ans:

Number of votes secured by successful candidates = 5,77,500

Number of votes secured by his nearest rival = – 3,48,700

Margin between them = 2,28,800

Therefore, the successful candidate won by a margin of 2,28,800 votes.

Q4. Kirti Bookstore sold books worth 2,85,891 in the first week of June and books worth 4,00,768 in the second week of the month. How much was the sale for the two weeks together? In which week was the sale greater and by how much?

Ans:

Books sold in first week = 2,85,891

Books sold in second week = + 4,00,768

Total books sold = 6,86,659

Since, 4,00,768,> 2,85,891

Therefore sale of second week is greater than that of first week.

Books sold in second week = 4,00,768

Books sold in first week = – 2,85,891

More books sold in second week = 1,14,877

Therefore, 1,14,877 more books were sold in second week.

Q5. Find the difference between the greatest and the least number that can be written using the digits 6, 2, 7, 4, 3 each only once.

Ans:

Greatest five-digit number using digits 6,2,7,4,3 = 76432

Smallest five-digit number using digits 6,2,7,4,3 = – 23467

Difference = 52965

Therefore the difference is 52965.

Q6. A machine, on an average, manufactures 2,825 screws a day. How many screws did it produce in the month of January 2006?

Ans:

Number of screws manufactured in one day = 2,825

Number of days in the month of January (31 days) = 2,825 x 31

= 87,575

Therefore the machine produced 87,575 screws in the month of January.

Q7. A merchant had 78,592 with her. She placed an order for purchasing 40 radio sets at 1,200 each. How much money will remain with her after the purchase?

Ans:

Cost of one radio = 1200

Cost of 40 radios = 1200 x 40 = 48,000

Now, Total money with merchant = 78,592

Money spent by her = – 48,000

Money left with her = 30,592

Therefore, ` 30,592 will remain with her after the purchase.

Q8. A student multiplied 7236 by 65 instead of multiplying by 56. By how much was his answer greater than the correct answer?

Ans:

Wrong answer = 7236 x 65

7236

x 65

36180

43416 x

470340

Correct answer = 7236 x 56

7236

x 56

43416

36180 x

405216

Difference in answers = 470340 – 405216

= 65,124

Q9. To stitch a shirt 2 m 15 cm cloth is needed. Out of 40 m cloth, how many shirts can be stitched and how much cloth will remain?

Ans:

Cloth required to stitch one shirt = 2 m 15 cm

= 2 x 100 cm + 15 cm

= 215 cm

Length of cloth = 40 m = 40 x 100 cm = 4000 cm

Number of shirts can be stitched = 4000 ÷ 215

215

4000

−215

1850

−1720

130

4000

−215

1850

−1720

130

Therefore, 18 shirts can be stitched and 130 cm (1 m 30 cm) cloth will remain.

Q10. Medicine is packed in boxes, each weighing 4 kg 500 g. How many such boxes can be loaded in a can which cannot carry beyond 800 kg?

Ans:

The weight of one box = 4 kg 500 g = 4 x 1000 g + 500 g = 4500 g

Maximum load can be loaded in van = 800 kg = 800 x 1000 g = 800000 g

Number of boxes = 800000 ÷ 4500

4500

800000

−4500

35000

−31500

35000

−31500

3500

800000

−4500

35000

−31500

35000

−31500

3500

Therefore, 177 boxes can be loaded.

Q11. The distance between the school and the house of a student's house is 1 km 875 m. Everyday she walks both ways. Find the total distance covered by her in six days.

Ans:

Distance between school and home = 1.875 km

Distance between home and school = + 1.875 km

Total distance covered in one day = 3.750 km

Distance covered in six days = 3.750 x 6 = 22.500 km

Therefore, 22 km 500 m distance covered in six days.

Q12. A vessel has 4 liters and 500 ml of curd. In how many glasses each of 25 ml capacity, can it be filled?

Ans:

Capacity of curd in a vessel = 4 liters 500 ml = 4 x 1000 ml + 500 ml = 4500 ml

Capacity of one glass = 25 ml

Number of glasses can be filled = 4500 ÷ 25

25

4500

−25

200

−200

0

4500

−25

200

−200

0

Therefore, 180 glasses can be filled by curd.

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