**Class –VI Mathematics (Ex. 1.1)**
**Questions**

1.  Fill in the blanks:
    (a) 1 lakh = _____ ten thousand
    (b) 1 million = _____ hundred thousand
    (c) 1 crore = _____ ten lakh
    (d) 1 crore = _____ million
    (e) 1 million = _____ lakh

2.  Place commas correctly and write the numerals:
    (a) Seventry-three lakh seventy-five thousand three hundred seven.
    (b) Nine crore five lakh forty-one.
    (c) Seven crore fifty-two lakh twenty-one thousand three hundred two.
    (d) Fifty-eight million four hundred twenty-three thousand two hundred two.
    (e) Twenty-three lakh thirty thousand ten.

3.  Insert commas suitable and write the names according to Indian system of numeration:
    (a) 87595762
    (b) 8546283
    (c) 99900046
    (d) 98432701

4.  Insert commas suitable and write the names according to International system of numeration:
    (a) 78921092
    (b) 7452283
    (c) 99985102
    (d) 48049831

**Class –VI Mathematics (Ex. 1.1)**
**Answers**

1.  (a) 10                         (b) 10
    (c) 10                         (d) 10
    (e) 10

2.  (a) 73,75,307               (b) 9,05,00,041
    (c) 7,52,21,302            (d) 58,423,202
    (e) 23,30,010

3.  (a) 8,75,95,762 → Eight crore seventy-five lakh ninety-five thousand seven hundred sixty-two
    (b) 85,46,283 → Eight-five lakh forty-six thousand two hundred eighty-three
    (c) 9,99,00,046 → Nine crore ninety-nine lakh forty-six
    (d ) 9,84,32,701 → Nine crore eighty-four lakh thirty-two thousand seven hundred one

4.  (a) 78,921,092 → Seventy-eight million nine hundred twenty-one thousand ninety-two
    (b) 7,452,483 → Seven million four hundred fifty-two thousand two hundred eighty-three
    (c) 99,985,102 → Ninety-nine million nine hundred eighty-five thousand one hundred two
    (d) 48,049,831 → Forty-eight million forty-nine thousand eight hundred thirty-one

**Class –VI Mathematics (Ex. 1.2)**
**Questions**

1. 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.

2. 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?

3. 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?

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

5. 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.

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

7. 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?

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

9. 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?

10. 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?

11. 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.

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

**Class –VI Mathematics (Ex. 1.2)**
**Answers**

1. 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.

2. Runs to achieve                 = 10,000
   Runs scored                   = – 6,980
   Runs required                = 3,020
   Therefore, he needs 3,020 more runs.

3. 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.

4. 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.

5. 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.

6. 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.

7.  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.

8.  Wrong answer = 7236 x 65                 Correct answer = 7236 x 56

          7236                                   7236

        x 65                                    x 56

       36180                                43416

     43416 x                           36180 x

      470340                             405216

      Difference in answers = 470340 – 405216

                       = 65,124

9.  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

$$
\begin{array}{r}
18 \\
215{\overline{\smash{\big)}\,4000}} \\
-\underline{215}\phantom{00} \\
1850 \\
-\underline{1720} \\
130
\end{array}
$$

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

10.  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

$$177$$
$$4500 \overline{)800000}$$
$$\underline{-4500}$$
$$35000$$
$$\underline{-31500}$$
$$35000$$
$$\underline{-31500}$$
$$3500$$

Therefore, 177 boxes can be loaded.

11. 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.

12. 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

$$180$$
$$25 \overline{)4500}$$
$$\underline{-25}$$
$$200$$
$$\underline{-200}$$
$$0$$

Therefore, 180 glasses can be filled by curd.

**Class –VI Mathematics (Ex. 1.3)**
**Questions**

1.  Estimate each of the following using general rule:
    (a) 730 + 998
    (b) 796 – 314
    (c) 12,904 + 2,888
    (d) 28,292 – 21,496

2.  Give a rough estimate (by rounding off to nearest hundreds) and also a closer estimate (by rounding off to nearest tens):
    (a) 439 + 334 + 4317
    (b) 1,08,737 – 47,599
    (c) 8325 – 491
    (d) 4,89,348 – 48,365

3.  Estimate the following products using general rule:
    (a) 578 x 161
    (b) 5281 x 3491
    (c) 1291 x 592
    (d) 9250 x 29

**Class –VI Mathematics (Ex. 1.3)**
**Answers**

1.  (a) 730 round off to       700          (b) 796 round off to 800
        998 round off to 1000                 314 round off to 300
        Estimated sum = 1700                  Estimated sum = 500


    (c) 12904 round off to 13000                28292 round off to       28000
        2888 round off to    3000               21496 round off to       21000
        Estimated sum =    16000                Estimated difference=    7000


2.  (a) 439 round off to       400          (b) 108734 round off to       108700
        334 round off to       300              47599 round off to        47600
        4317 round off to 4300                  Estimated difference =    61100
        Estimated sum =  5000


    (c) 8325 round off to       8300          (d) 489348 round off to       489300
        491 round off to       500              48365 round off to        48400
        Estimated difference = 7800             Estimated difference =    440900


3.   (a) 578 x 161
         578 round off to 600
         161 round off to 200
         The estimated product = 600 x 200 = 1,20,000

     (b) 5281 x 3491
         5281 round of to 5,000
         3491 round off to 3,500
         The estimated product = 5,000 x 3,500 = 1,75,00,000

     (c) 1291 x 592
         1291 round off to 1300
         592 round off to 600
         The estimated product = 1300 x 600 = 7,80,000

     (d) 9250 x 29
          9250 round off to 10,000
          229 round off to 30
          The estimated product = 10,000 x 30 = 3,00,000