





## Question 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

#### Answer 1:

- a) 1 Lakh = 10 Ten thousand 1,00,000
- b) 1 Million =  $\underline{10}$  Hundred thousand  $\underline{10,00,000}$
- c) 1 Crore =  $\underline{10}$  Ten lakh 1,00,00,000
- d) 1 Crore = <u>10</u> Million 1,00,00,000
- e) 1 Million = <u>10</u> Lakh 1,000,000

## Question 2:

Place commas correctly and write the numerals:

- a) Seventy-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.

#### Answer 2:

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





## **Question 3:**

Insert commas suitable and write the names according to Indian system of numeration:

- a) 87595762
- b) 8546283
- c) 99900046
- d) 98432701

#### **Answer 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

# Question 4:

Insert commas suitable and write the names according to International system of numeration:

- a) 78921092
- b) 7452283
- c) 99985102
- d) 48049831

#### Answer 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





# Exercise 1.2

# Question 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.

#### Answer 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 = +2,751Total tickets sold = 7,707

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

#### Question 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?

#### Answer 2:

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

## Question 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?

#### Answer 3:

Number of votes secured by successful candidates = 5,77,500 Number of votes secured by his nearest rival = -3,48,700Margin between them = 2,28,800

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





## **Question 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 of the month. How much was the sale for the two weeks together? In which week was the sale greater and by how much?

#### Answer 4:

Books sold in first week = 2,85,891Books sold in second week =  $\frac{+4,00,768}{6,86,659}$ 

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

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

Books sold in second week = 4,00,768Books sold in first week = -2,85,891More books sold in second week = 1,14,877

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

# **Question 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.

#### **Answer 5:**

Greatest five-digit number using digits 6,2,7,4,3 = 76432Smallest five-digit number using digits 6,2,7,4,3 = -23467Difference = 52965

Therefore the difference is 52965.

## **Question 6:**

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

#### Answer 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.





## **Question 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?

#### Answer 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 = -₹48,000Money left with her = ₹30,592

Therefore, ₹30,592 will remain with her after the purchase

# **Question 8:**

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

# Answer 8:

Wrong answer = 7236 x 65	Correct answer = 7236 x 56
7236	7236
<u>x 65</u>	<u>x 56</u>
36180	43416
<u>43416x</u>	<u>36180x</u>
<u>470340</u>	<u>405216</u>
Difference in answers = 470340 – 405216	

# Question 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?

## Answer 9:

Cloth required to stitch one shirt = 2 m 15 cm = 2 x 100 cm + 15 cm = 215 cm

= 65,124

Length of cloth = 40 m = 40 x 100 cm = 4000 cmNumber of shirts can be stitched =  $4000 \div 215$ 

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





## Question 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?

## Answer 10:

The weight of one box  $= 4 \text{ kg } 500 \text{ g} = 4 \times 1000 \text{ g} + 500 \text{ g} = 4500 \text{ g}$ Maximum load can be loaded in van  $= 800 \text{ kg} = 800 \times 1000 \text{ g} = 800000 \text{ g}$ Number of boxes  $= 800000 \div 45006$ 

Therefore, 177 boxes can be loaded.

## **Question 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.

#### Answer 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.

# **Question 12:**

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

## Answer 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

Therefore, 180 glasses can be filled by curd.





# Exercise 1.3

# Question 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

## Answer 1:

a)	730 round off to		700
	998 round off to		<u>1000</u>
	Estimated sum	=	<u>1700</u>
b)	796 round off to		800
	314 round off to		<u>300</u>
	Estimated sum	=	<u>500</u>
c)	12904 round off to		13000
	2888 round off to		3000
	Estimated sum	=	<u> 16000</u>
d)	28292 round off to		28000
	21496 round off to		<u>21000</u>
	Estimated difference	=	7000

# Question 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

## Answer 2:

a)	439 round off to		400
	334 round off to		300
	4317 round off to		<u>4300</u>
	Estimated sum	=	<u>5000</u>





b)	108734 round off to		108700
	47599 round off to		47600
	Estimated difference	=	61100
c)	8325 round off to		8300
	491 round off to		<u>500</u>
	Estimated difference	=	<u>7800</u>
d)	489348 round off to		489300
	48365 round off to		48400
	Estimated difference	=	440900

# Question 3:

Estimate the following products using general rule:

- a) 578 x 161
- b) 5281 x 3491
- c) 1291 x 592
- d) 9250 x 29

#### Answer 3:

- a) 578 x 161
  - 578 round off to 600
  - 161 round off to 200

The estimated product =  $600 \times 200 = 1,20,000$ 

- b) 5281 x 3491
  - 5281 round of to 5,000
  - 3491 round off to 3,500

The estimated product =  $5,000 \times 3,500 = 1,75,00,000$ 

- c) 1291 x 592
  - 1291 round off to 1300
  - 592 round off to 600

The estimated product =  $1300 \times 600 = 7,80,000$ 

- d) 9250 x 29
  - 9250 round off to 10,000
  - 229 round off to 30

The estimated product =  $10,000 \times 30 = 3,00,000$