

# Doon Public School Bhuj

## HOME ASSIGNMENT

Dear students,

This is your home assignment which you have to complete in your Maths text book(only fill ups, T or F, match the following and MCQs) and rest all in notebook. Complete both the chapters neatly and practice similar type of questions. I wish you to have great time with your family during this vacation. Take care and stay safe!

### Chapter 1 : Knowing Our Numbers

#### Exercise 1.1

- Insert commas according to the Indian system of numeration and write the number names of the given numbers.
  - 215780
  - 13546712
  - 5689067
  - 771256924
  - 305600071
  - 91998679
- Write the following numbers in figures.
  - Seventeen lakh thirty thousand eight hundred ninety-six
  - Eight crore fifty lakh sixty-seven thousand one hundred nine
  - Seventy crore seventeen
  - Nine crore eighty-seven thousand nine hundred eleven
  - Fifty-five lakh nineteen thousand five
  - One crore ninety-one lakh ten thousand nine
- Write the expanded form of the following numbers.
  - 7,56,925
  - 1,18,567
  - 2,60,15,347
  - 99,19,909
  - 17,76,15,296
  - 36,85,71,942
- Write the numerals for the following:
  - $5,00,00,000 + 70,00,000 + 6,00,000 + 10,000 + 7,000 + 500 + 90 + 3$
  - $60,00,000 + 4,00,000 + 30,000 + 100 + 70$
  - $10,00,00,000 + 1,00,00,000 + 1,000 + 10 + 1$
  - $30,00,000 + 8,00,000 + 70,000 + 500 + 40 + 5$
  - $2,00,00,000 + 30,000 + 40 + 5$
  - $70,00,00,000 + 7,00,00,000 + 100 + 7$
- Arrange the following numbers in ascending order.
  - 88,978; 8,17,576; 80,999; 11,80,789; 8,972
  - 1,00,11,101; 11,102; 9,07,132; 19,11,002; 89,000
  - 77,132; 9,009; 99,00,00,001; 8,00,009; 17,00,999
  - 3,456; 35,40,971; 8,79,764; 1,00,00,079; 44,397
- Arrange the following numbers in descending order.
  - 6,40,976; 74,86,973; 1,60,74,139; 27,356; 2,00,00,099
  - 18,88,569; 80,756; 88,18,965; 8,00,00,674; 8,79,150
  - 37,56,23,154; 9,37,595; 1,66,32,155; 16,77,935; 3,55,10,300
  - 78,56,325; 4,95,00,379; 4,86,22,325; 10,00,00,001; 2,89,16,300
- Write the place value and the face value of the underlined digits in the following numbers.
  - 8,76,139
  - 15,46,977
  - 97,17,356
  - 14,66,78,113
  - 30,56,96,336
- Find the difference between the place values of the two 5s in the number 75,66,539.
- Write the number names of the smallest and the greatest 8-digit numbers having eight different digits.
- What quotient will you get when the place value of 6 is divided by its face value in the number 46,35,009?

## Exercise 1.1(Solutions)

1.
  - a. 2,15,780 – Two lakh fifteen thousand seven hundred eighty
  - b. 1,35,46,712 – One crore thirty-five lakh forty-six thousand seven hundred twelve
  - c. 56,89,067 – Fifty-six lakh eighty-nine thousand sixty-seven
  - d. 77,12,56,924 – Seventy-seven crore twelve lakh fifty-six thousand nine hundred twenty-four
  - e. 30,56,00,071 – Thirty crore fifty-six lakh seventy-one
  - f. 9,19,98,679 – Nine crore nineteen lakh ninety-eight thousand six hundred seventy-nine
2.
  - a. Seventeen lakh thirty thousand eight hundred ninety-six – 17,30,896
  - b. Eight crore fifty lakh sixty-seven thousand one hundred nine – 8,50,67,109
  - c. Seventy crore seventeen – 70,00,00,017
  - d. Nine crore eighty-seven thousand nine hundred eleven – 9,00,87,911
  - e. Fifty-five lakh nineteen thousand five – 55,19,005
  - f. One crore ninety-one lakh ten thousand nine – 1,91,10,009
3.
  - a.  $7,56,925 = 7 \times 1,00,000 + 5 \times 10,000 + 6 \times 1,000 + 9 \times 100 + 2 \times 10 + 5 \times 1$   
 $= 7,00,000 + 50,000 + 6,000 + 900 + 20 + 5$
  - b.  $1,18,567 = 1 \times 1,00,000 + 1 \times 10,000 + 8 \times 1,000 + 5 \times 100 + 6 \times 10 + 7 \times 1$   
 $= 1,00,000 + 10,000 + 8,000 + 500 + 60 + 7$
  - c.  $2,60,15,347 = 2 \times 1,00,00,000 + 6 \times 10,00,000 + 0 \times 1,00,000 + 1 \times 10,000 + 5 \times 1,000 + 3 \times 100 + 4 \times 10 + 7 \times 1$   
 $= 2,00,00,000 + 60,00,000 + 10,000 + 5,000 + 300 + 40 + 7$
  - d.  $99,19,909 = 9 \times 10,00,000 + 9 \times 1,00,000 + 1 \times 10,000 + 9 \times 1,000 + 9 \times 100 + 0 \times 10 + 9 \times 1$   
 $= 90,00,000 + 9,00,000 + 10,000 + 9,000 + 900 + 9$
  - e.  $17,76,15,296 = 1 \times 10,00,00,000 + 7 \times 1,00,00,000 + 7 \times 10,00,000 + 6 \times 1,00,000 + 1 \times 10,000 + 5 \times 1,000 + 2 \times 100 + 9 \times 10 + 6 \times 1$   
 $= 10,00,00,000 + 7,00,00,000 + 70,00,000 + 6,00,000 + 10,000 + 5,000 + 200 + 90 + 6$
  - f.  $36,85,71,942 = 3 \times 10,00,00,000 + 6 \times 1,00,00,000 + 8 \times 10,00,000 + 5 \times 1,00,000 + 7 \times 10,000 + 1 \times 1,000 + 9 \times 100 + 4 \times 10 + 2 \times 1$   
 $= 30,00,00,000 + 6,00,00,000 + 80,00,000 + 5,00,000 + 70,000 + 1,000 + 900 + 40 + 2$
4.
  - a.  $5,00,00,000 + 70,00,000 + 6,00,000 + 10,000 + 7,000 + 500 + 90 + 3 = 5,76,17,593$
  - b.  $60,00,000 + 4,00,000 + 30,000 + 100 + 70 = 64,30,170$
  - c.  $10,00,00,000 + 1,00,00,000 + 1,000 + 10 + 1 = 11,00,01,011$
  - d.  $30,00,000 + 8,00,000 + 70,000 + 500 + 40 + 5 = 38,70,545$
  - e.  $2,00,00,000 + 30,000 + 40 + 5 = 2,00,30,045$
  - f.  $70,00,00,000 + 7,00,00,000 + 100 + 7 = 77,00,00,107$
5. Arrange the numbers in ascending order of the number of digits. When there are same number of digits compare and arrange in ascending order.
  - a. 88,978; 8,17,576; 80,999; 11,80,789; 8,972  
 $8,972 < 80,999 < 88,978 < 8,17,576 < 11,80,789$
  - b. 1,00,11,101; 11,102; 9,07,132; 19,11,002; 89,000  
 $11,102 < 89,000 < 9,07,132 < 19,11,002 < 1,00,11,101$
  - c. 77,132; 9,009; 99,00,00,001; 8,00,009; 17,00,999  
 $9,009 < 77,132 < 8,00,009 < 17,00,999 < 99,00,00,001$
  - d. 3,456; 35,40,971; 8,79,764; 1,00,00,079; 44,397  
 $3,456 < 44,397 < 8,79,764 < 35,40,971 < 1,00,00,079$
6. Arrange the numbers in descending order of the number of digits. When there are same number of digits compare it and arrange in descending order.
  - a. 6,40,976; 74,86,973; 1,60,74,139; 27,356; 2,00,00,099  
 $2,00,00,099 > 1,60,74,139 > 74,86,973 > 6,40,976 > 27,356$

- b. 18,88,569; 80,756; 88,18,965; 8,00,00,674; 8,79,150  
 $8,00,00,674 > 88,18,965 > 18,88,569 > 8,79,150 > 80,756$
- c. 37,56,23,154; 9,37,595; 1,66,32,155; 16,77,935; 3,55,10,300  
 $37,56,23,154 > 3,55,10,300 > 1,66,32,155 > 16,77,935 > 9,37,595$
- d. 78,56,325; 4,95,00,379; 4,86,22,325; 10,00,00,001; 2,89,16,300  
 $10,00,00,001 > 4,95,00,379 > 4,86,22,325 > 2,89,16,300 > 78,56,325$
7. a. The place value of 6 in 8,76,139 is 6000 and its face value is 6.  
 b. The place value of 7 in 15,46,977 is 70 and its face value is 7.  
 c. The place value of 1 in 97,17,356 is 10000 and its face value is 1.  
 d. The place value of 4 in 4,66,78,113 is 4,00,00,000 and its face value is 4.  
 e. The place value of 6 in 30,56,96,336 is 6,00,000 and its face value is 6.
8. Place value of underlined digit in 75,66,539 is 500; Place value of underlined digit in 75,66,539 is 5,00,000  
 Difference = 5,00,000 - 500 = 4,99,500
9. Smallest 8-digit number: 1,02,34,567  
 One crore two lakh thirty-four thousand five hundred sixty-seven  
 Greatest 8-digit number: 9,87,65,432; Nine crore eighty-seven lakh sixty-five thousand four hundred thirty-two
10. Place value of 6 is 6,00,000; Face value of 6 is 6  
 Quotient =  $\frac{6,00,000}{6} = 1,00,000$

## Exercise 1.2

- Fill in the blanks.
  - 1 million = \_\_\_\_ lakh
  - 1 crore = \_\_\_\_ million
  - 100 million = \_\_\_\_ crore
  - 10 million = \_\_\_\_ hundred thousand
  - 1 crore = \_\_\_\_ lakh
  - 10 lakh = \_\_\_\_ ten thousand
- Insert commas and write the number names according to the Indian system of numeration.
  - 26759012
  - 80079546
  - 10023734
  - 1334569
- Insert commas and write the number names according to the International system of numeration.
  - 87012466
  - 17249654
  - 90909990
  - 5734123
- Write the number names according to the International system of numeration.
  - Seventy-seven lakh thirty-two thousand four hundred nineteen
  - Six crore eighty-two lakh ninety-four thousand five hundred thirty-seven
  - Twelve crore thirty-four lakh fifty-six thousand seven hundred eighty-nine
  - Nine crore seventy thousand eight
- Write the number names of the following according to the Indian system of numeration.
  - Two hundred fifty-six thousand seven hundred ninety-four
  - Five million sixty thousand nine hundred ten
  - Sixty-nine million six hundred eighty-nine thousand fifty-seven
  - Nine million nine thousand ninety-nine
- State true or false.
  - One million is a thousand thousands.
  - Commas are inserted after every two-digits in the International system of numeration.
  - Five lakh fifty-five is the same as five hundred thousand fifty-five.
  - Two million two hundred nine is greater than twenty lakh two hundred nineteen.
  - 10 million makes a crore.
  - Twenty five million is equal to two crore fifty lakh.

## Exercise 1.2(Solutions)

1. a. 1 million = 10 lakh  
c. 100 million = 10 crore  
e. 1 crore = 100 lakh
  - b. 1 crore = 10 million  
d. 10 million = 100 hundred thousand  
f. 10 lakh = 100 ten thousand
2. a. 2,67,59,012: Two crore sixty-seven lakh fifty-nine thousand twelve  
b. 8,00,79,546: Eight crore seventy-nine thousand five hundred forty-six  
c. 1,00,23,734: One crore twenty-three thousand seven hundred thirty-four  
d. 13,34,569: Thirteen lakh thirty-four thousand five hundred sixty-nine
3. a. 87,012,466: Eighty-seven million twelve thousand four hundred sixty-six  
b. 17,249,654: Seventeen million two hundred forty-nine thousand six hundred fifty-four  
c. 90,909,990: Ninety million nine hundred nine thousand nine hundred ninety  
d. 5,734,123: Five million seven hundred thirty-four thousand one hundred twenty-three
4. a. Seventy-seven lakh thirty-two thousand four hundred nineteen:  
77,32,419; International system : 7,732,419  
Seven million seven hundred thirty-two thousand four hundred nineteen
  - b. Six crore eighty-two lakh ninety-four thousand five hundred thirty-seven:  
6,82,94,537; International system : 68,294,537  
Sixty-eight million two hundred ninety-four thousand five hundred thirty-seven
  - c. Twelve crore thirty-four lakh fifty-six thousand seven hundred eighty-nine:  
12,34,56,789; International system : 123,456,789  
One hundred twenty-three million four hundred fifty-six thousand seven hundred eighty-nine
  - d. Nine crore seventy thousand eight : 9,00,70,008  
International system : 90,070,008; Ninety million seventy thousand eight
5. a. Two hundred fifty-six thousand seven hundred ninety-four: 256,794  
Indian system : 2,56,794; Two lakh fifty-six thousand seven hundred ninety-four
  - b. Five million sixty thousand nine hundred ten : 5,060,910  
Indian system : 50,60,910; Fifty lakh sixty thousand nine hundred ten
  - c. Sixty-nine million six hundred eighty-nine thousand fifty-seven: 69,689,057  
Indian system : 6,96,89,057; Six crore ninety-six lakh eighty nine thousand fifty-seven
  - d. Nine million nine thousand ninety-nine : 9,009,099  
Indian system : 90,09,099; Ninety lakh nine thousand ninety-nine
6. a. True    b. False    c. True    d. False    e. True    f. True

### Exercise 1.3

- There are 10,785 English books, 8,973 Hindi books and 4,766 books on other languages in a library. How many books are there in all in the library?
- Out of 52,000 people in a town, 18,970 work in factories, 15,764 run their own shops, while the remaining work in government offices. How many of them work in government offices?
- The cost of a wheat grinder is ₹6,975 and that of a washing machine is ₹14,820.
  - Find the total cost of the wheat grinder and the washing machine.
  - How much more should one pay for the washing machine than for the grinder?
- If 1 m 60 cm of cloth is required to stitch an apron, find the length of the cloth (in m) required to stitch 90 such aprons.
- Manu mixes 100 mL of curd and 150 mL of water to make one glass of *lassi*. How many glasses of *lassi* can he make with 3 L of curd?
- A medical company had planned to fill 20 L of cough syrup into small bottles of capacity 125 mL each. If they are now to fill the same quantity of syrup in bottles of capacity 100 mL each, how many more bottles would they require?
- From an electronic shop, 28 television sets were sold on a particular day. The price of 1 television set was ₹20,475. Find the total amount collected by selling the television sets on that day.
- Mrs Jyoti walks around a square park of side 50 m daily. If she walks around the park 5 times every day, find the distance (in km) she covers in 30 days.
- A tailoring unit stitched 24,956 baby suits. These suits were packed in 144 cartons, each of which could hold 160 suits. Find out how many baby suits were left unpacked.



The Gram Panchayat of a state in India planned to spend ₹2,00,000 for the development of the Panchayat. Out of this, ₹1,08,786 was used for repairing the roads and the remaining amount was used for starting a small-scale industry to employ women in that Panchayat. Find the amount spent for employing women. What do you think about the plans of the Gram Panchayat?

### Exercise 1.3(Solutions)

1. Total number of books in the library =  $10,785 + 8,973 + 4,766 = 24,524$

2. Number of people in a town = 52,000

Number of people working in factories = 18,970

Number of people running own shops = 15,764

$$\begin{aligned} \text{Number of people working in government offices} &= 52000 - [18970 + 15764] \\ &= 52000 - 34734 \\ &= 17,266 \end{aligned}$$

Thus, 17,266 people are working in government offices.

3. Cost of wheat grinder = ₹ 6975; Cost of washing machine = ₹ 14,820

a. Total cost = ₹ 6,975 + ₹ 14,820 = ₹ 21,795

b. ₹ 14,820 – ₹ 6975 = ₹ 7,845

One should pay ₹ 7845 more to buy washing machine.

4. Cloth required to stitch one apron = 1 m 60 cm = 160 cm

Cloth required to stitch 90 aprons =  $90 \times 160 \text{ cm} = 14400 \text{ cm}$

$$= \frac{14,400}{100} [1 \text{ m} = 100 \text{ cm}] = 144 \text{ m}$$

Thus, 144 m of cloth is required to stitch 90 aprons.

5. Amount of curd required to make one glass of lassi = 100 mL

$$3 \text{ L} = 3 \times 1000 = 3000 \text{ mL} \quad [1 \text{ L} = 1000 \text{ mL}]$$

$$\text{Number of glasses made with 3L curd} = \frac{3000}{100} = 30$$

Thus, he can make 30 glasses of lassi with 3 L curd.

6. Amount of syrup = 20 L =  $20 \times 1000 = 20000$  mL [1 L = 1000 mL]

Capacity of small bottles = 125 mL

$$\therefore \text{Number of bottles of 125 mL capacity} = \frac{20000}{125} = 160$$

If the capacity of small bottles is 100 mL, then number of bottles of 100 mL capacity

$$= \frac{20000}{100} = 200$$

Therefore, number of extra bottles =  $200 - 160 = 40$

7. Number of television sold = 28

Price of a TV set = ₹ 20,475

Total amount collected by selling 28 TV sets =  $28 \times 20,475 = ₹ 5,73,300$

8. Side of a square park = 50 m

Perimeter of square =  $4 \times a = 4 \times 50 \text{ m} = 200 \text{ m}$

Distance she walks everyday =  $200 \text{ m} \times 5 = 1000 \text{ m}$

In 30 days, distance she covers =  $1000 \text{ m} \times 30 = 30000 \text{ m}$

$$= \frac{30000}{1000} \text{ km} \quad [1 \text{ km} = 1000 \text{ m}]$$


$$= 30 \text{ km}$$

9. Total number of baby suits = 24,956

Number of suits packed =  $144 \times 160 = 23,040$

Number of suits unpacked =  $24,956 - 23,040 = 1916$

Thus, 1916 suits were left unpacked.

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Total amount planned to spend = ₹ 2,00,000

Amount spent on repairing the roads = ₹ 1,08,786

Amount spent for employing women =  $2,00,000 - 1,08,786 = ₹ 91,214$

## Exercise 1.4

1. Round off the given numbers to the nearest tens, hundreds, thousands and ten thousands.

Number	Rounded off to the nearest			
	Tens	Hundreds	Thousands	Ten thousands
5892				
35494				
40537				
59765				

2. Estimate the following by rounding off both the numbers to the nearest thousands.  
 a.  $825 + 932$       b.  $15,794 + 4,293$       c.  $3,796 - 882$       d.  $47,105 + 34,809$
3. Give a rough estimate (by rounding off to the nearest hundreds) and also a closer estimate (by rounding off to the nearest tens) for the following:  
 a.  $215 + 395 + 4,776$       b.  $468 + 1,239 + 5,694$   
 c.  $9,543 - 729$       d.  $86,786 - 74,834$
4. Estimate the following products to the  
 a.  $62 \times 49$  (nearest tens)      b.  $679 \times 113$  (nearest hundreds)      c.  $4005 \times 8647$  (nearest thousands)

## Exercise 1.4(Solutions)

Number	Round off to the nearest			
	Tens	Hundreds	Thousands	Ten Thousands
5892	5890	5900	6000	10000
35494	35490	35500	35000	40000
40537	40540	40500	41000	40000
59765	59770	59800	60000	60000

2. a.  $825 + 932$   
 $= 1000 + 1000 = 2000$
- b.  $15,794 + 4,293$   
 $= 16,000 + 4000 = 20,000$
- c.  $3796 - 882$   
 $= 4000 - 1000 = 3000$
- d.  $47,105 + 34,809$   
 $= 47,000 + 35,000 = 82,000$
3. a.  $215 + 395 + 4,776$   
 The estimated sum when rounded off to the nearest hundreds  
 $= 200 + 400 + 4800 = 5400$   
 The estimated sum when rounded off to the nearest tens  
 $= 220 + 400 + 4780 = 5400$
- b.  $468 + 1239 + 5694$   
 The estimated sum when rounded off to the nearest hundreds  
 $= 500 + 1200 + 5700 = 7400$   
 The estimated sum when rounded off to the nearest tens  
 $= 470 + 1240 + 5690 = 7400$
- c.  $9543 - 729$   
 The estimated difference when rounded off to the nearest hundreds  
 $= 9500 - 700 = 8800$   
 The estimated difference when rounded off to the nearest tens  
 $= 9540 - 730 = 8810$
- d.  $86,786 - 74834$   
 The estimated difference when rounded off to the nearest hundreds  
 $= 86800 - 74800 = 12000$   
 The estimated difference when rounded off to the nearest tens  
 $= 86790 - 74830 = 11960$
4. a.  $62 \times 49$  (nearest tens)  
 $= 60 \times 50$   
 $= 3,000$
- b.  $679 \times 113$  (nearest hundreds)  
 $= 700 \times 100$   
 $= 70,000$
- c.  $4005 \times 8647$  (nearest thousands)  
 $= 4000 \times 9000 = 3,60,00,000$

## Exercise 1.5

- Write the expression for each of the following:
  - Ten multiplied by the sum of 18 and 22
  - The difference of 23 and 5 multiplied by 32
  - 100 divided by the sum of 17 and 3
  - The difference of 72 and 60 divided by 6
- Write a situation and simplify each of the following:
  - $6 \times (16 + 4)$
  - $(17 + 13) \times 50$
  - $55 \times (46 - 6)$
  - $100 \times (56 - 2)$
- Three sandwiches and two cutlets are packed in a lunch box for each of the 142 children who are going for a picnic. Find the total number of food items packed.
- Ammu used 7 red flowers and 8 yellow flowers to make a bouquet.
  - Find the total number of flowers used to make 24 such bouquets.
  - If Ammu had removed 3 flowers from each of the 24 bouquets, how many flowers were left in the bouquets?
- Find the product.
  - $8 \times 109$
  - $9 \times 107$
  - $17 \times 108$
  - $19 \times 106$

### Exercise 1.5(Solutions)

- $10 \times (18 + 22) = 10 \times (40) = 400$
  - $(23 - 5) \times 32 = 18 \times 32 = 576$
  - $100 \div (17 + 3) = \frac{100}{20} = 5$
  - $(72 - 60) \div 6 = \frac{12}{6} = 2$
- Cost of a pen is ₹ 16 and a pencil is ₹ 4. If Sheela buys 6 pens and 6 pencils, what amount did she pay to the shopkeeper?  
 $6 \times (16 + 4) = 6 \times (20) = 120$
  - Rahul used 17 red ribbons and 13 yellow ribbons to pack a gift. If he packs 50 gifts, how many ribbons will he use?  
 $(17 + 13) \times 50 = 30 \times 50 = 1500$
  - 46 people booked a tent which costs ₹55 for each person, then 6 people cancelled their booking. What is the total amount remaining people has to pay?  
 $55 \times (46 - 6) = 55 \times 40 = 2200$
  - A school ordered 56 books which costs ₹100 each. Thereafter, they reduced two counts. Calculate the total amount that the school has to pay.  
 $100 \times (56 - 2) = 100 \times 54 = 5400$
- Sandwiches = 3; Cutlets = 2  
Number of Children = 142  
Total food item packed =  $(3 + 2) \times 142 = 5 \times 142 = 710$
- Red flowers = 7, Yellow flowers = 8; Number of bouquets = 24  
Total number of flowers used to make 24 bouquets =  $24 \times (7 + 8)$   
 $= 24 \times 15 = 360$
  - Total number of flowers used = 360; Number of bouquets = 24  
Total number of flowers removed =  $3 \times 24 = 72$   
Total flowers left in the bouquets =  $360 - 72 = 288$
- $8 \times 109$   
 $= 8 \times (100 + 9) = 8 \times 100 + 8 \times 9$   
 $= 800 + 72 = 872$
  - $9 \times 107$   
 $= 9 \times (100 + 7) = 9 \times 100 + 9 \times 7$   
 $= 900 + 63 = 963$
  - $17 \times 108$   
 $= 17 \times (100 + 8)$   
 $= 17 \times 100 + 17 \times 8$   
 $= 1700 + 136 = 1836$
  - $19 \times 106$   
 $= 19 \times (100 + 6)$   
 $= 19 \times 100 + 19 \times 6$   
 $= 1900 + 114 = 2014$

## Exercise 1.6

- Write the Roman numerals for the following:  
a. 32      b. 76      c. 283      d. 415      e. 825      f. 910      g. 3200
- Write the Hindu-Arabic numerals for the following:  
a. LXXXIX    b. XLIX      c. CDI      d. DCCXX    e. DCCCIX    f. CMV
- Which of the following is not possible? Give reason for your answer.  
a. XLV      b. VL      c. IC      d. XCIV      e. LIV      f. LLC

### Exercise 1.6(Solutions)

- $32 = 10 + 10 + 10 + 2 = XXXII$
  - $76 = 50 + 10 + 10 + 5 + 1 = LXXVI$
  - $283 = 200 + 50 + 30 + 3 = CCLXXXIII$
  - $415 = 500 - 100 + 10 + 5 = CDXV$
  - $825 = 500 + 300 + 10 + 10 + 5 = DCCCXXV$
  - $910 = 900 + 10 = 1000 - 100 + 10 = CMX$
  - $3200 = 1000 + 1000 + 1000 + 100 + 100 = MMMCC$
- $LXXXIX = 50 + 10 + 10 + 10 + 9 = 89$
  - $XLIX = 50 - 10 + 9 = 49$
  - $CDI = 500 - 100 + 1 = 401$
  - $DCCXX = 500 + 100 + 100 + 10 + 10 = 720$
  - $DCCCIX = 500 + 100 + 100 + 100 + 9 = 809$
  - $CMV = 1000 - 100 + 5 = 905$
- $XLV = 50 - 10 + 5 = 45$
  - $VL = 50 - 5 = 45$   
Invalid; The answer we get is 45. But, in Roman numeral 45 is written as XLV.
  - $IC = 100 - 1 = 99$   
Invalid; The answer we get is 99. But, in Roman numeral 99 is written as XCIX.
  - $XCIV = 100 - 10 + 4 = 94$
  - $LIV = 50 + 4 = 54$
  - LLC Invalid; L cannot be repeated.



- Write the place value of the underlined digits.  
a. 38493                      b. 3945671                      c. 3047523                      d. 38726015
- Insert commas as per the Indian system of numeration and write the expanded form of the numbers.  
a. 8326714                      b. 29380154
- Write the numerals for the following and write their number names in the International system of numeration.  
a.  $4000000 + 50000 + 3000 + 700 + 50 + 9$   
b.  $10000000 + 7000000 + 80000 + 70 + 4$
- On a particular day, Kishen Bag Mall collected ₹32,970 by selling school bags and ₹13,745 by selling handbags. Find the (i) approximate amount collected by selling these products by rounding off to the nearest thousand, (ii) exact amount collected by selling these products.
- The Arts and Sports Club of a school has ₹3,45,726 in their account. They are planning to spend ₹1,50,000 to start a library for children. How much money will be left in their account after spending money for the library?
- Find the product using brackets.  
a.  $107 \times 26$                       b.  $73 \times 99$
- Write the Roman numerals for the following numbers.  
a. 67                      b. 245                      c. 2016                      d. 1950
- Write the Hindu-Arabic numerals for the following Roman numerals.  
a. LXXIII                      b. XCVIII                      c. DCCCXXV                      d. MDCXLIV
- Write the number names of 3,04,80,594 in the Indian system of numeration as well as in the International system of numeration.
- Give a rough estimate as well as a closer estimate for the following:  
a.  $3793 + 415$                       b.  $9452 - 394$
- The length of a rope is 5 m and 20 cm.  
a. If it is cut into equal pieces of 26 cm, how many pieces will be there?  
b. If it is cut into 20 pieces of equal length, what will be the length of each piece?
- A fruit seller bought 25 baskets of oranges, each containing 120 oranges. At the time of repacking, he found that 725 oranges were not in good condition. If the remaining oranges were packed into small boxes containing 25 oranges each, how many boxes were there?

## MCQs

- The greatest 5-digit number with two different digits is \_\_\_\_\_.  
a. 88889                      b. 98888                      c. 99999                      d. 99998
- The successor of 1,99,999 is \_\_\_\_\_.  
a. 2 million                      b. 10 million                      c. 20 lakh                      d. 2 lakh
- One crore = \_\_\_\_\_.  
a. 1 million                      b. 10 millions                      c. 100 millions                      d. 1000 millions
- Seven million seventy-seven is \_\_\_\_\_.  
a. 700077                      b. 770077                      c. 7000077                      d. 777
- Which among the following is heavier than 10,000 g?  
a. 1 kg                      b. 20 kg                      c. 10 kg                      d. 100 g
- When 8,947 is rounded off to the nearest ten, we get  
a. 87,000                      b. 86,950                      c. 90,000                      d. 8,950
- Estimate the sum of  $277 + 317$  to the nearest hundred.  
a. 700                      b. 600                      c. 800                      d. 500
- Which of the following is greater than LXXXII?  
a. XC                      b. LXXXI                      c. LXXVIII                      d. LX
- The Roman numeral for 2579 is \_\_\_\_\_.  
a. MMDLXXIX                      b. MMDLXIX                      c. MMDLIX                      d. None of these
- The Hindu-Arabic numeral for CDLXVIII is \_\_\_\_\_.  
a. 558                      b. 468                      c. 458                      d. None of these

## Revision Time(Answers)

- a. 8,000    b. 9,00,000    c. 40,000    d. 3,00,00,000
- a.  $83,26,714 \rightarrow 80,00,000 + 3,00,000 + 20,000 + 6,000 + 700 + 10 + 4$   
b.  $2,93,80,154 \rightarrow 2,00,00,000 + 90,00,000 + 3,00,000 + 80,000 + 100 + 50 + 4$
- a.  $40,53,759 \rightarrow$  Four million fifty-three thousand seven hundred fifty-nine  
b.  $17,080,074 \rightarrow$  Seventeen million eighty thousand seventy-four
- i. Approximate amount = ₹ 47,000    ii. Exact amount = ₹ 46,715

5. ₹ 1,95,726

7. a. LXVII

8. a. 73

9. Indian: Three crore four lakh eighty thousand five hundred ninety-four

International: Thirty million four hundred eighty thousand five hundred ninety-four

10. a. 4200; 4210    b. 9100; 9060

11. a. 20 pieces

b. 26 cm each

12. 91 boxes

6. a. 2782

b. CCXLV

b. 98

b. 7227

c. MMXVI

c. 825

d. MCML

d. 1644

### MCQs

1. d

2. d

3. b

4. c

5. b

6. d

7. b

8. a

9. a

10. b