

Selina Class 6 ICSE Solutions Mathematics : Chapter 4- Place Value



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Chapter 4- Place Value

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Selina Class 6 ICSE Solutions Mathematics : Chapter 4- Place Value

Selina 6th Maths Chapter 4, Class 6 Maths Chapter 4 solutions

Exercise 4(A) page no: 25

1.Fill in the blanks :

- (i) In 20 kg, the unit is, which is taken times.
- (ii) In 80 m, the unit is, which is taken times.
- (iii) If a unit cm (centimetre) is taken 5 times, the corresponding quantity is
- (iv) If a unit km (kilometre) is taken 24 times, the corresponding quantity is
- (v)

Number	Numeral	Numeration
(a) 53.....		
(b)	9.....	
(c)240.....		

Solution:

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- (i) In 20 kg, the unit is Kg, which is taken 20 times.
- (ii) In 80 m, the unit is m, which is taken 80 times.
- (iii) If a unit cm (centimetre) is taken 5 times, the corresponding quantity is 5 cm.
- (iv) If a unit km (kilometre) is taken 24 times, the corresponding quantity is 24 km.
- (v)

Number	Numerals	Numeration
(a) 53	53	Fifty three
(b) 9	9	Nine
(c) 240	240	Two hundred forty

2. Fill in the blanks :

- (i) In 24,673, the place value of 6 is
- (ii) In 8,039, the place value of 8 is
- (iii) In 3,25, 648, the local value of 5 is
- (iv) In 6,439, the local value of 6 is

Solution:

(i) In 24, 673, the place value of 6 is 6×100

= 600

(ii) In 8, 039, the place value of 8 is 8×1000

= 8000

(iii) In 3, 25, 648, the local value of 5 is 5×1000

= 5000

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(iv) In 6, 439, the local value of 6 is 6×1000

= 6000

3. Find the difference between the place values of 3 and 5 in the number 3945.

Solution:

Place value of 3 in 3945 is 3000

Place value of 5 in 3945 is 5

Difference between them = $3000 - 5$

= 2995

Hence, the difference between the place value of 3 and 5 in the number 3945 is 2995

4. In the number 40562

(i) the local value of 5 =

(ii) the place value of 6 =

(iii) the sum of the place value of 5 and the place value of 6 =

Solution:

(i) The local value of 5 = 500

(ii) The place value of 6 = 60

(iii) The sum of the place value of 5 and the place value of 6 = $500 + 60$

= 560

5. Read and write the following numbers in words and also in expanded form :

(i) 35,000 =

(ii) 76,000 =

(iii) 6,23,000 =

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(iv) 40,075 =

(v) 50,004 =

Solution:

(i) 35,000 = Thirty five thousands

$$3 \times 10000 + 5 \times 1000$$

(ii) 76,000 = Seventy six thousands

$$7 \times 10000 + 6 \times 1000$$

(iii) 6,23,000 = Six lakhs twenty three thousands

$$6 \times 100000 + 2 \times 10000 + 3 \times 1000$$

(iv) 40,075 = Forty thousand seventy five

$$4 \times 10000 + 7 \times 10 + 5 \times 1$$

(v) 50,004 = Fifty thousand four

$$5 \times 10000 + 4 \times 1$$

6. Find the difference in the place values of two sevens in the number 8, 72, 574.

Solution:

In the number 8, 72, 574 the first 7 occurs at thousand place

Its place value is 70000

The second 7 occurs at tens place

Its place value is 70

The difference of the two place value of 7 = 70000 – 70

$$= 69930$$

Hence, the difference in the place value of two 7 in number 872574 is 69930

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Exercise 4(b) page no: 27

1. Fill in the blanks :

(i) $999 + 1 = \dots\dots\dots$

(ii) $10,000 - 1 = \dots\dots\dots$

(iii) $10 \text{ coins} - \text{one coin} = \dots\dots\dots$

(iv) $\text{₹ } 99 + \text{₹ } 1 = \dots\dots\dots$

(v) $10,000 \text{ boys} - 1 \text{ boy} = \dots\dots\dots$

Solution:

(i) $999 + 1 = 1,000$

(ii) $10,000 - 1 = 9,999$

(iii) $10 \text{ coins} - \text{one coin} = 9 \text{ coins}$

(iv) $\text{₹ } 99 + \text{₹ } 1 = \text{₹ } 100$

(v) $10,000 \text{ boys} - 1 \text{ boy} = 9,999 \text{ boys}$

2. Would the number of students in your school be a 3-digit number or a 4-digit number or a 5-digit number?

Solution:

Number of students varies from one school to another school

The total strength of our school is 4410

Hence, it is a 4-digit number

3. Write the smallest number which is just more than 9, 99, 999.

Solution:

Given number = 9, 99, 999

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Smallest number which is more than 1 is

$$9,99,999 + 1 = 10,00,000$$

10,00,000 is the smallest number which is just more than 9,99,999

4. Starting from the greatest 5-digit number, write the previous five numbers in descending order.

Solution:

Greatest 5-digit number = 99,999

The previous five digit numbers in descending order are $99,999 > 99,998 > 99,997 > 99,996 > 99,995 > 99,994$

5. Starting from the smallest 7-digit number, write the next four numbers in ascending order.

Solution:

Smallest 7-digit number = 10,00,000

The next four numbers in ascending order are $10,00,001 < 10,00,002 < 10,00,003 < 10,00,004$.

6. How many numbers lie between the largest 3-digit number and the smallest 4-digit number?

Solution:

Largest 3-digit number = 999

Smallest 4-digit number = 1000

Required number = $(1000 - 999)$

$$= 1$$

Therefore 1 lies between the largest 3-digit number and the smallest 4-digit number.

7. How many 5-digit numbers are there in all?

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Solution:

Largest 5-digit number = 99999

Largest 4-digit number = 9999

Required number = $99999 - 9999$

= 90,000

Hence, 90,000 numbers are there in all

Exercise 4(B)**Exercise 4(b) page no: 27****1. Fill in the blanks :**

(i) $999 + 1 = \dots\dots\dots$

(ii) $10,000 - 1 = \dots\dots\dots$

(iii) 10 coins – one coin = $\dots\dots\dots$

(iv) ₹ 99 + ₹ 1 = $\dots\dots\dots$

(v) 10,000 boys – 1 boy = $\dots\dots\dots$

Solution:

(i) $999 + 1 = 1,000$

(ii) $10,000 - 1 = 9,999$

(iii) 10 coins – one coin = 9 coins

(iv) ₹ 99 + ₹ 1 = ₹ 100

(v) 10,000 boys – 1 boy = 9,999 boys

2. Would the number of students in your school be a 3-digit number or a 4-digit number or a 5-digit number?

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Solution:

Number of students varies from one school to another school

The total strength of our school is 4410

Hence, it is a 4-digit number

3. Write the smallest number which is just more than 9, 99, 999.**Solution:**

Given number = 9, 99, 999

Smallest number which is more than 1 is

$$9, 99, 999 + 1 = 10, 00, 000$$

10, 00, 000 is the smallest number which is just more than 9, 99, 999

4. Starting from the greatest 5-digit number, write the previous five numbers in descending order.**Solution:**

Greatest 5-digit number = 99, 999

The previous five digit numbers in descending order are $99, 999 > 99, 998 > 99, 997 > 99, 996 > 99, 995 > 99, 994$

5. Starting from the smallest 7-digit number, write the next four numbers in ascending order.**Solution:**

Smallest 7-digit number = 10, 00, 000

The next four numbers in ascending order are $10, 00, 001 < 10, 00, 002 < 10, 00, 003 < 10, 00, 004$.

6. How many numbers lie between the largest 3-digit number and the smallest 4-digit number?

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Solution:

Largest 3-digit number = 999

Smallest 4-digit number = 1000

Required number = $(1000 - 999)$

= 1

Therefore 1 lies between the largest 3-digit number and the smallest 4-digit number.

7. How many 5-digit numbers are there in all?**Solution:**

Largest 5-digit number = 99999

Largest 4-digit number = 9999

Required number = $99999 - 9999$

= 90,000

Hence, 90,000 numbers are there in all



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- Chapter 3- Numbers In Indian And International Systems
- Chapter 4- Place Value
- Chapter 5- Natural Numbers And Whole Numbers
- Chapter 6- Negative Numbers And Integers
- Chapter 7- Number Line
- Chapter 8- HCF And LCM
- Chapter 9- Playing With Numbers
- Chapter 10- Sets
- Chapter 11- Ratio
- Chapter 12- Proportion
- Chapter 13- Unitary Method
- Chapter 14- Fractions
- Chapter 15- Decimal Fractions
- Chapter 16- Percent (Percentage)
- Chapter 17- Idea of Speed, Distance and Time
- Chapter 18- Fundamental Concepts
- Chapter 19- Fundamental Operations
- Chapter 20- Substitution
- Chapter 21- Framing Algebraic Expressions (Including Evaluation)
- Chapter 22- Simple (Linear) Equations
- Chapter 23- Fundamental Concepts
- Chapter 24- Angles

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- Chapter 25- Properties of Angles and Lines
- Chapter 26- Triangles
- Chapter 27- Quadrilateral
- Chapter 28- Polygons
- Chapter 29- The Circle
- Chapter 30- Revision Exercise Symmetry
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