

# CHAPTER - 4 PLACE VALUE

## EXERCISE 4(A)

### Question 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
53	.....	.....
.....	9	.....
240	.....	.....

**Solution:**

- (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 (centi metre) is taken 5 times, the corresponding quantity is **5 cm**.
- (iv) If a unit km (kilo metre) is taken 24 times, the corresponding quantity is **24 km**.
- (v)

Number	Numeral	Numeration
53	53	fifty three
9	9	Nine
240	240	two hundred forty

### Question 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 x 100 = 600**.
- (ii) In 8, 039 ; the place value of 8 is **8 x 1000 = 8000**.
- (iii) In 3, 25, 648 ; the local value of 5 is **5 x 1000 = 5000**.
- (iv) In 6, 439 ; the local value of 6 is **6 x 1000 = 6000**.

### Question 3.

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

**Solution:**

Place values of 3 in 3945 is 3000 and 5 is 5  
Difference between them =  $3000 - 5 = 2995$

#### Question 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 and its local value is 5.
- (ii) the place value of 6 = 60
- (iii) the sum of the place value of 5 and the place value of 6 =  $500 + 60 = 560$

#### Question 5.

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

- (i) 35,000 = .....
- (ii) 76,000 = .....
- (iii) 6,23,000 = .....
- (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 =  $6 \times 100000 + 23 \times 1000$
- (iv) 40,075 = Forty thousands seventy five =  $4 \times 10000 + 75 \times 10 + 5$
- (v) 50,004 = Fifty thousands four =  $5 \times 10000 + 4$

#### Question 6.

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

#### Solution:

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

=> Its place value = 70000

=> The second 7 occurs at ten's place.

Its place value = 70

The difference of the two place values of 7 =  $70000 - 70 = 69930$

### EXERCISE 4(B)

#### Question 1.

Fill in the blanks :

- (i)  $999 + 1 = \dots\dots\dots$
- (ii)  $10,000 - 1 = \dots\dots\dots$
- (iii) 10 coins – one coin = .....
- (iv) ₹ 99 + ₹ 1 = .....
- (v) 10,000 boys – 1 boy = .....
- (vi) 1000 toys – 1 toy = .....

#### 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
- (vi) 1000 toys – 1 toy = 999 toys

### Question 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:

Note : This answer will vary from school to school.

Since, the total strength of M.G.N. Public school is 5410.

Hence, It is a 4-digit number.

### Question 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

### Question 4.

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

#### Solution:

Greatest digit number = 99, 999

Next four numbers in descending order

$99, 999 > 99998 > 99997 > 99996 > 99995$

### Question 5.

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

#### Solution:

Smallest 7-digit number = 10, 00, 000

Next four numbers in ascending order

$10,00,001 < 1000002 < 1000003 < 1000004 < 1000005$

### Question 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 =  $(1000 - 999) = 1$

**Question 7.**

How many 5-digit numbers are there in all?

**Solution:**

Largest number of 5-digits = 99999 Largest number of 4-digits = 9999

Required number =  $99999 - 9999 = 90,000$

So, 90,000 numbers are there in all.