

Palce 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.