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 x 10000 + 5 x 1000
(ii) 76,000 = Seventy six thousands = 7 x 10000 + 6 x 1000
(iii) 6,23,000 = Six lakhs twenty three thousands = 6 x 100000 + 23 x 1000
(iv) 40,075 = Forty thousands seventy five = 4 x 10000 + 75 x 10 + 5
(v) 50,004 = Fifty thousands four = 5 x 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 = ……
(ii) 10,000 – 1 = ……
(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.