PLACE VALUE

SUBJECT : MATHEMATICS
CHAPTER NUMBER: 04
CHAPTER NAME : NUMBER SYSTEM
SUB TOPIC: Introduction to Place Value
PERIOD NO:1

Learning outcomes

➢ Students will be able to write place value of a digit in the given number.
➢ Students will be able to differentiate concrete number and abstract number.

Lets know about Place Value

Number	Place Value (of the red digit)	Value of the Digit (of the red digit)
1,23**4**	Ones	4
1,2**3**4	Tens	30
1,**2**34	Hundreds	200
1,234	Thousands	1,000
7,8**9**1,234	Ten Thousands	90,000
7,**8**91,234	Hundred Thousands	800,000
7,891,234	Millions	7,000,000
57,891,234	Ten Millions	50,000,000

Place Value

Place Value of a digit in the given number will be explained with the help of a video.
https://www.youtube.com/watch?v=28doFUBnvOw(5.33)

Place Value

Q . Find the difference between value of 3 and 5 in the number 53768 .

Ans : Place value of 3=3000

Place value of 5=50000

Difference between place value of 3 and 5 =50000-3000=47,000

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

…………….

Ans: 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.

EVALUATION QUESTIONS

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 ……………
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

EVALUATION QUESTIONS

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

EVALUATION QUESTIONS

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
$6 \times 100000 + 2 \times 10000 + 3 \times 1000$
(iv) 40, 075 = Forty thousand seventy five
$4 \times 10000 + 7 \times 10 + 5 \times 1$
(v) 50, 004 = Fifty thousand four
$5 \times 10000 + 4 \times 1$

Additional Homework

1. Find the sum of the place values of 5 in the following numbers:

(i)   3515

(ii) 52105

(iii) 61655

2. The product of the place values of two 5's in 75352 is
 (a) 2500   (b) 25   (c) 25000   (d) 250000
3. What is the difference of the place value and face value of 2 in 829 ?

4.The product of the place values of two 2's in 428721 is
(a) 4   (b) 40000   (c) 400000   (d) 40000000.

THANKING YOU
ODM EDUCATIONAL GROUP