Ch-1 PLACE VALUE

STARTING POINT

WARM UP ACTIVITY

You will be given 4 dice. Roll the 4 dice.

Write down the 4 digits you roll to make the number.

Use the place value chart to represent the numbers you make.

Ref: https://youtu.be/nl3hmRL5Q54

Students will

- recall about 4-digits numbers.
- recall place value chart.
- know how to separate the numbers by their places.
- able to compare the numbers.

Quick questions

1. _____ is the smallest 4-digit number.
2. _____ is the greatest 4-digit number.
3. If we add 1 to the greatest 4-digit number, we make the smallest ___-digit number.
4. _____ is the smallest 5-digit number.

Worksheet

Color, Cut and Paste

5	6	4	9	8	7

Color the digit in the Hundreds Place Blue.

Color the digit in the Ten Thousands Place Orange.

Color the digit in the Lakhs Place Purple.

Color the digit in the Tens Place Green.

Color the digit in the Ones Place Red.

Color the digit in the Thousands Place Grey.

Cut out the Place Value boxes and give them over the correct digits above

Ten Thousands	Ones	Lakhs	Hundreds	Tens	Thousands

Olympiad worksheet

1) Which option shows the following number in standard form? Eighty three thousand five hundred sixty four.

a) 80,356 b) 83,564 c) 8,03,560 d) 8,03,564

2) Which number has the 3 in the 1 crore place?

a) 43671589 b) 34671589 c) 104371589 d) 431580

3) Make the largest number with the digits 3, 2, 1, 5

a) 3521 b) 5321 c) 5312 d) 3512

4) The difference between the greatest 5-digit number and the smallest 6-digit number is _____.

a) 1 b) 10 c) 1000 d) 100

5) 1 less than 50 tens is _____.

a) 49 b) 499 c) 501 d) 409

6) There are _____ zero's in 1 lakh.

a) 5 b) 6 c) 7 d) 8

7) 25 hundreds less than 2500 is _____.

a) 2500 b) 5000 c) 0 d) 1

8) In numbers from 1 to 100 the digit 0 appears _____ times.

a) 9 b) 10 c) 11 d) 12

9) How many numbers are there containing 2 digits?

a) 90 b) 99 c) 100 d) 89

10) How many symbols are used in roman numerals?

a) 6 b) 9 c) 12 d) 7

Acquisition Based Questions

1) As a digit moves to its left, its value keeps increasing _____ times.
2) The greatest 5-digit number using different digits is _____.
3) The _____ gives the value of the digits depending on its place in the number.
4) The successor of XVIII is _____
5) Ten thousands is equal to _____ hundreds.
6) Identify the predecessor and successor of the following
   a) 3, 56, 999 b) 26, 384
7) Rearrange the following numbers in ascending and descending order.
   83, 765 83, 394 83, 386 88, 439
8) Find the largest 5-digit number having 0 at ten's place and without repeating the digits.

Application Based Questions

1) Invent the sum of place value and place value of 3 in the number 38, 961
2) Operate the following and conclude your answer in Roman Numerals.
   a) CDXI + CCLXI b) CM - CDL
3) Use the digits 8, 3, 7 to build a number that rounds up to 380.

Assimilation Based Questions

1) Generate the greatest and smallest 6-digit number using the digits 2, 8, 3, 0 ans 1
2) A number round to the nearest 10 is 550. Identify the smallest possible number it could be?
3) The school kitchen wants to order enough potatoes for lunch. Potatoes come in sacks of 100. How many sacks do they need for 766 children?

Adaptation Based Questions

1) Create 8 numbers each being of 4-digits using the digits 2,5,0 and 6 and using once in any number so formed.

2) Round the following numbers to the nearest 100 it is 200. When the same number is round to the nearest 10 it is 250. Discover the greatest possible number it could be?

Online Resources

The link is about estimating number song. From this, students are able to know about how they should round to nearest 10 and 100 using different methods.

Ref: https://youtu.be/pNfz-JU2cKE

Cambridge Resources

PLACE VALUE PUZZLE

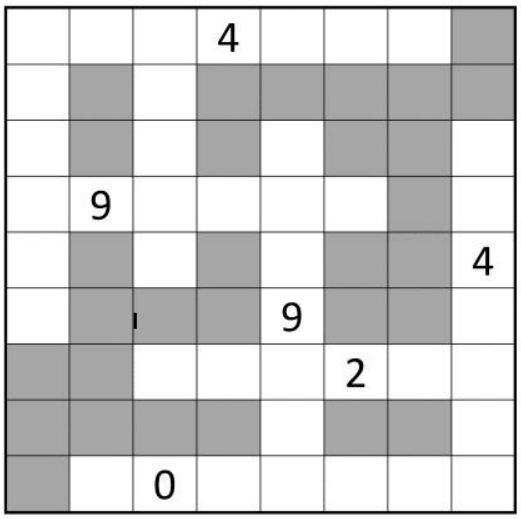
Read each clue to help you figure out the six-digit numberr

1. Multiply 3 by the number of days in a week. Subtract 12 and write your answer in the thousands place.
2. Add 3 to the difference between 5 and 2. Write your answer in ones place.
3. Divide 16 into the number of hours in two days and write your answer in the hundreds place.
4. Subtract the number in the thousands place from the number in the ones place. Write your answer in the ten thousands place.
5. Multiply 2 by the number of hours in a day. Subtract 40 and write your answer in the lakhs place.
6. Subtract 28 from the sum of 16 and 14 and write your answer in the tens place.

Creative corner

Write the correct value of each number next to each number written in words. Next put the numbers into the crossword and order them correctly.

1. Seventy three lakh, twenty nine thousand, four hundred fifty eight _____.
2. Nine lakh, thirty four thousand, two hundred sixty eight _____.
3. Four lakh, ninety six thousand, thirty seven _____.
4. Twenty thousand, sixty nine _____.
5. Thirty six lakh, twenty four thousand, one hundred eighty five _____.
6. Three lakh, seventy thousand, four hundred twenty six _____.
7. Ten lakh, sixty eight thousand, two hundred fifty three _____.



ORDERING
biggest
smallest

Library Resources

There are a few great books to help the students to understand further about Place Value

Place Value: David A. Adler, Edward Miller.

Ref: http://www.aaamath.com/grade4.html#topic3