NAME :   **DATE: 22/04/2020**

Number System

Topic-Expanded Form-

See the link -https://www.youtube.com/watch?v=4AF7xj7pmWc

We can write any number in terms of ones, tens, and hundreds. This is known as the expanded form. For example, we can write 163 as 1 hundred + 6 tens +3 ones.

This is same as 100 + 60 + 3.

Examples: a. Write the expanded form of 146.

146=1 hundred + 4 tens + 6 ones

=100 + 40 + 6

b. Write the expanded form of 180.

180=1 hundred + 8 tens + 0 ones

=100 + 80 + 0

1.   Write the expanded form of 2-digit numbers-

a. 45 = 40 + 5   b. 25 =_____+_____

c. 50 = _____+_____   d. 59 = _____+_____

e. 15 = _____+_____   f. 98 = _____+_____

g. 60 = _____+_____   h. 10 = _____+_____

i. 45 = _____+_____   j. 78 = _____+_____

2.   Fill in the numbers to complete each addition sentence.

a. _____ = 50 + 5   b. _____ = 40 + 8

c. _____ = 70+0   d. _____ = 50 + 4

e. _____ = 60 + 8   f. _____ = 90 + 9

g. _____ = 20 + 2   h. _____ = 70 + 4

i. _____ = 60 + 5   j. _____ = 20 + 8

3. Write the expanded form of 3-digit numbers-

Hundreds Tens Ones				
234	200 +	30 +	4
513	◯	◯	
673	◯	◯	
947	◯	◯	
682	◯	◯	
870	◯	◯	
701	◯	◯	
457	◯	◯	

4. Fill in the numbers to complete each addition sentence.

   a. _____ = 400 + 80 + 5   b. _____ = 200 + 40 + 8

   c. _____ = 600 + 70 + 0   d. _____ = 600 + 70 + 9

   e. _____ = 800 + 90 + 8   f. _____ = 900 + 80 + 9

   g. _____ = 200 + 20 + 0   h. _____ = 700 + 40 + 6

   i. _____ = 100 + 20 + 5   j. _____ = 400 + 80 + 1

Topic-Place Value and Face Value-
The place value of a digit is the value of a digit due to its position in a number.
Example: If 2 is in the ones column of a number, its place value is 2.
   If 2 is in the tens column of a number, its place value is 20.
   If 2 is in the hundreds column of a number, its place value is 200.

For Example:
In 768;
the place value of 8 = 8 × 1 = 8
the place value of 6 = 6 × 10 = 60 and
the place value of 7 is 7 × 100 = 700.

The face value of a digit is its actual value in a number.
Example: If 5 is in the ones column, its face value is 5.
   If 5 is in the tens column, its face value is 5.
   If 5 is in the hundreds column, its face value is 5.
The face value of a number always remains the same, and does not change with position.

1. Fill in the blanks.
   a. In 194, the place value of 9 is _____; the face value of 9 is _____.
   b. In 454, the place value of 5 is _____; the face value of 5 is _____.

c .In 138, the place value of 1 is _____;the face value of 1 is _____.

d. In 294, the place value of 4 is _____;the face value of 4 is _____.

2.   Write the place value in the box of the underlined digits.

a. 56**7** = [   ]

b. 9**9**9 = [   ]

c. **1**27 = [   ]

d. 6**5**6 = [   ]

e. 78**7** = [   ]

f. 13**9** = [   ]

Write counting from 401 to 600

401									
									500
501									
									600