ODM EDUCATIONAL GROUP
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SESSION : 3
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 1
CHAPTER NAME : REVISION
SUBTOPIC : EXPANDED FORM, SHORT FORM

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LEARNING OBJECTIVE :

They will be able to:

*** Identify the digit in ones, tens and hundred place.**

*** Expand a 3-digit number according to the place value of each digit.**

*** Construct a number when digits of different places are said.**

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This is a 2-digit place value chart

T	O
4	5
1	3
6	9
5	0
2	6

1 3

4 5

2 6

5 0

6 9

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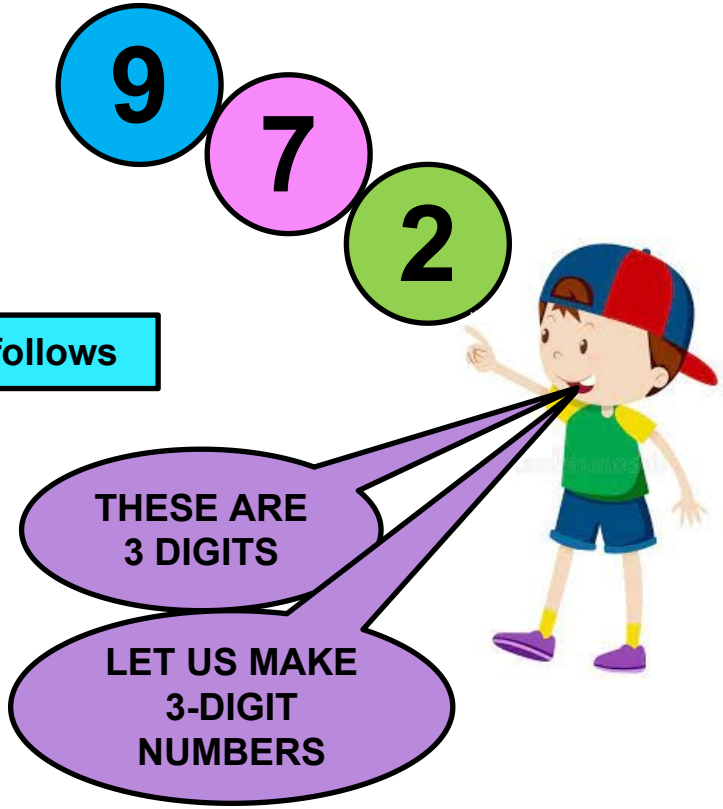
1st number – 2 7 9

2nd number – 9 2 7

Now let us place it in a 3-digit numbersplace value chart as follows

H	T	O
2	7	9
9	2	7



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Now let us place it in a 3-digit place value chart as follows

H	T	O
2	7	9
9	2	7

NOTE: The digits have different Place Values in the two different numbers because they are in different places.

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H	T	O
2	7	9
9	2	7

From this we can say that a number when expressed as a sum of place values of different digits it is said to be in expanded form .

1st number – 2 7 9 = 200 + 70 + 9

2nd number – 9 2 7 = 900 + 20 + 7

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When we write a number using digits seeing the expanded form is called short form. It is also called standard form of a number.

300 + 70 + 9 = 379

400 + 0 + 9 = 409 OR 400 + 9 = 409

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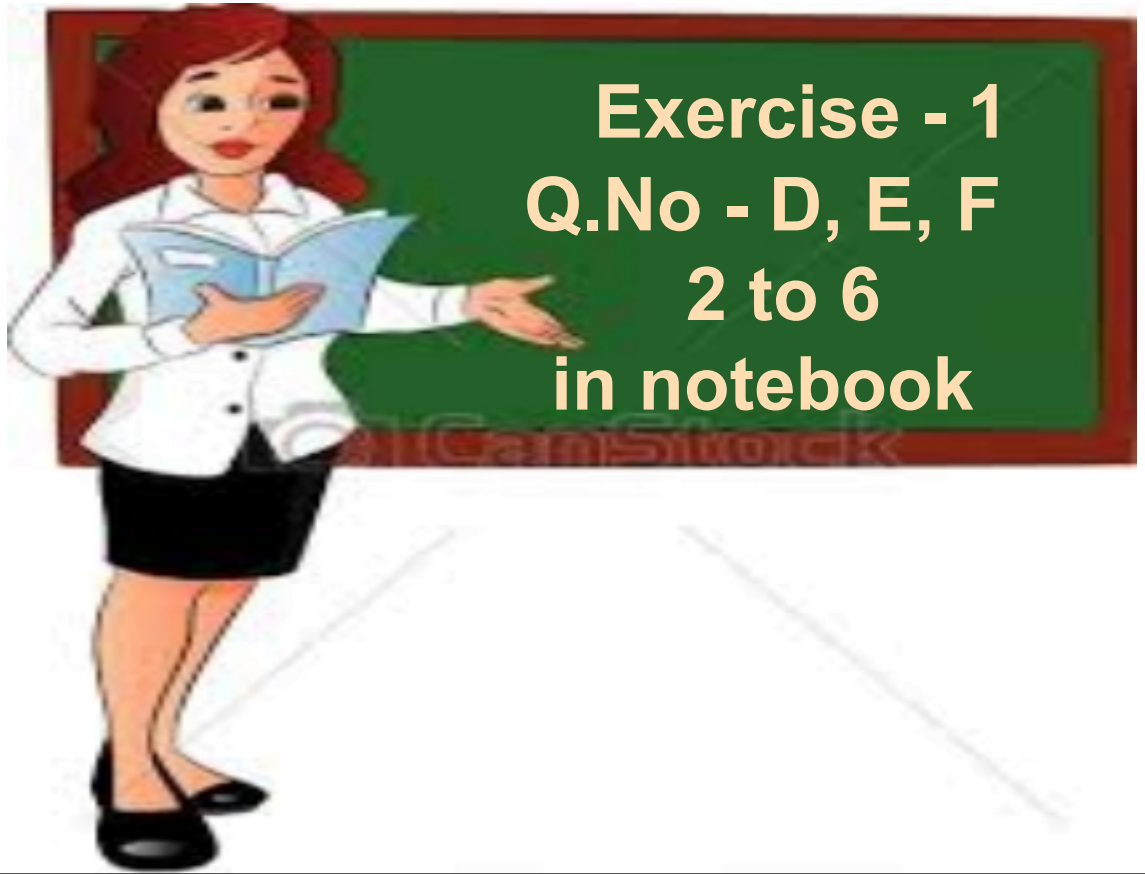

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D. Write the numbers given below in expanded form.

2) 2 4 3 = 2 hundreds 4 tens 3 ones

3) 2 8 = 0 hundreds 2 tens 8 ones

4) 5 8 3 = 5 hundreds 8 tens 3 ones

5) 6 0 7 = 6 hundreds 0 tens 7 ones

6) 7 4 0 = 7 hundreds 4 tens 0 ones

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E. Write the following numbers in expanded form.

2) 6 1 7 = 6 0 0 + 1 0 + 7

3) 8 = 0 + 0 + 8

4) 5 6 7 = 5 0 0 + 6 0 + 7

5) 9 9 2 = 9 0 0 + 9 0 + 2

6) 3 0 0 = 3 0 0 + 0 + 0

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F. Write the following numbers in short form.

2) 8 0 0 + 7 0 + 2 — 872

3) 2 0 0 + 4 0 + 3 — 243

4) 4 0 0 + 7 0 + 3 — 473

5) 3 0 0 + 2 0 + 6 — 326

6) 0 0 + 0 0 + 9 — 9

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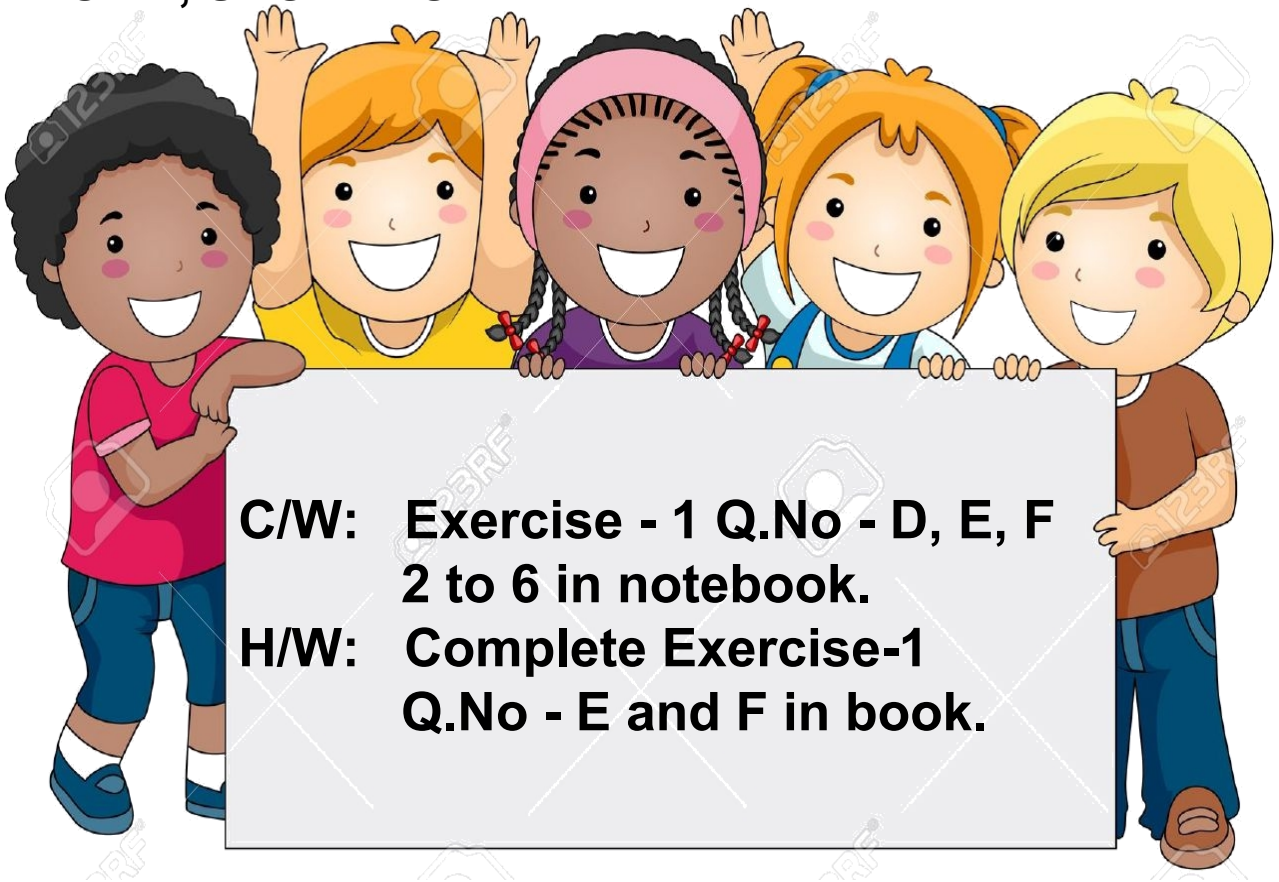

C/W: Exercise - 1 Q.No - D, E, F
2 to 6 in notebook.

H/W: Complete Exercise-1
Q.No - E and F in book.

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PUZZLE

Find and colour:

1) **100** 101 (RED)
2) 109 **110** (BLUE)
3) **950** 951 (PINK)
4) 998 **999** (YELLOW)
5) **399** 400 (PURPLE)
6) 201 **202** (GREY)
7) **605** 606 (ORANGE)
8) 599 **600** (GREEN)
9) **700** 701 (BROWN)
10) 330 **331** (DEEP BLUE)

605	205	307	750	950
800	600	100	400	500
110	120	130	302	202
550	650	331	950	850
888	999	777	666	700

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LEARNING OUTCOME:

Children are confident to find different digits of a 3-digit number in different places. Also can write a 3-digit number in expanded form with correct place values and vice-versa.

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