

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

CHANGING YOUR TOMORROW

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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EXPANDED FORM, SHORT FORM

This is a 2-digit place value chart

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

45

13

26

50

69

REVISION

EXPANDED FORM, SHORT FORM

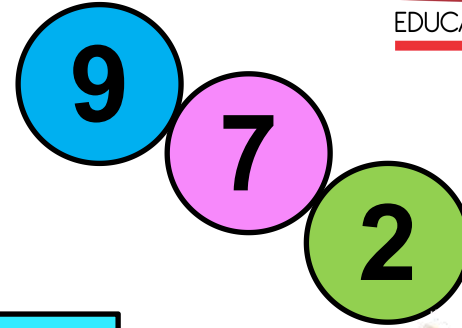
1st number – 279

2nd number – 927

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

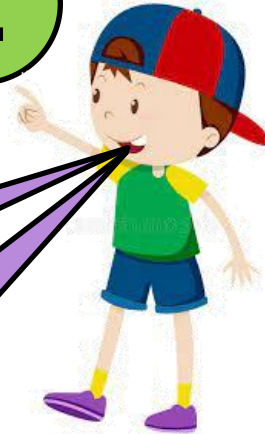
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H	T	O
2	7	9
9	2	7



THESE ARE
3 DIGITS

LET US MAKE
3-DIGIT
NUMBERS



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EXPANDED FORM, SHORT FORM

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



H	T	O
2	7	9
9	2	7

SEE THE DIGITS
IN DIFFERENT
PLACE



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

REVISION

EXPANDED FORM, SHORT FORM

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 .

$$\text{1st number} - 279 = 200 + 70 + 9$$

$$\text{2nd number} - 927 = 900 + 20 + 7$$

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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.



$$300 + 70 + 9 = 379$$

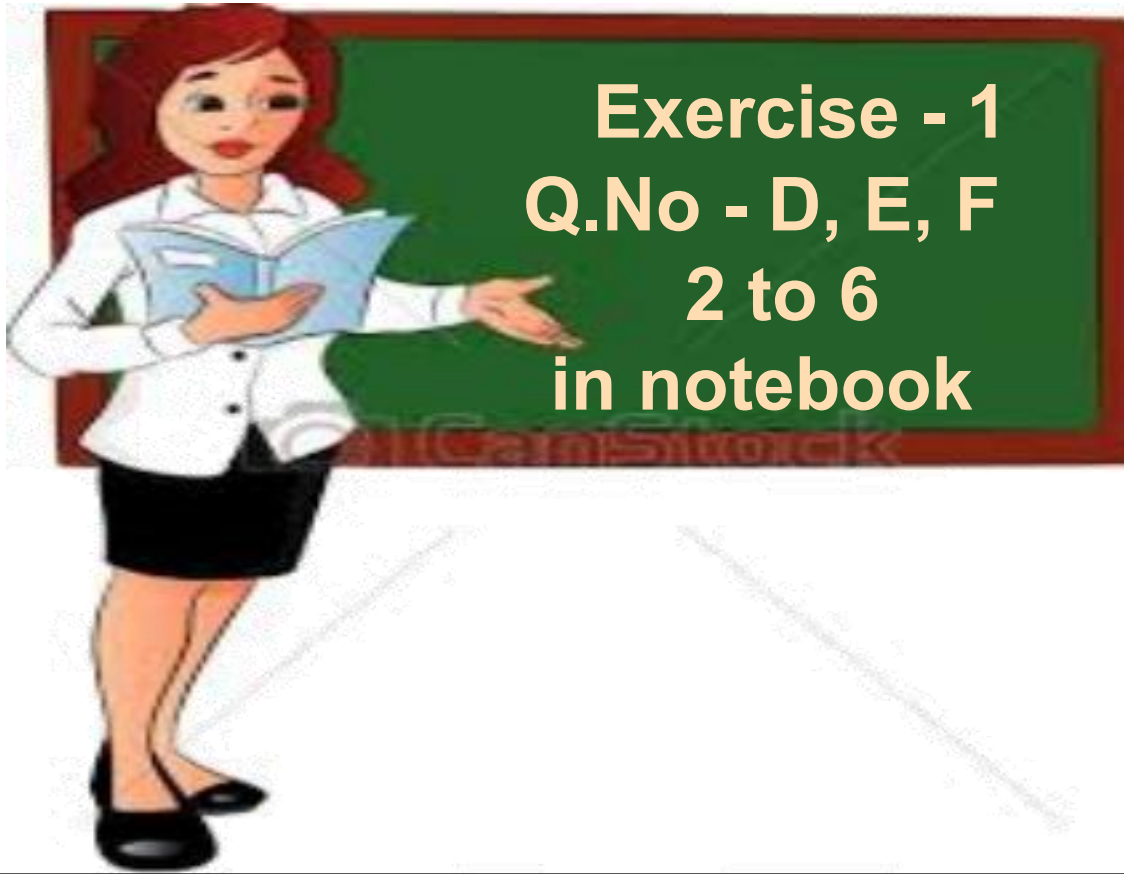
$$400 + 0 + 9 = 409$$

OR

$$400 + 9 = 409$$

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D. Write the numbers given below in expanded form.

2) $243 = \underline{2}$ hundreds $\underline{4}$ tens $\underline{3}$ ones

3) $28 = \underline{0}$ hundreds $\underline{2}$ tens $\underline{8}$ ones

4) $583 = \underline{5}$ hundreds $\underline{8}$ tens $\underline{3}$ ones

5) $607 = \underline{6}$ hundreds $\underline{0}$ tens $\underline{7}$ ones

6) $740 = \underline{7}$ hundreds $\underline{4}$ tens $\underline{0}$ ones

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E. Write the following numbers in expanded form.

$$2) 617 = \underline{600} + \underline{10} + \underline{7}$$

$$3) 8 = \underline{0} + \underline{0} + \underline{8}$$

$$4) 567 = \underline{500} + \underline{60} + \underline{7}$$

$$5) 992 = \underline{900} + \underline{90} + \underline{2}$$

$$6) 300 = \underline{300} + \underline{0} + \underline{0}$$

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F. Write the following numbers in short form.

2) $800 + 70 + 2$

872

3) $200 + 40 + 3$

243

4) $400 + 70 + 3$

473

5) $300 + 20 + 6$

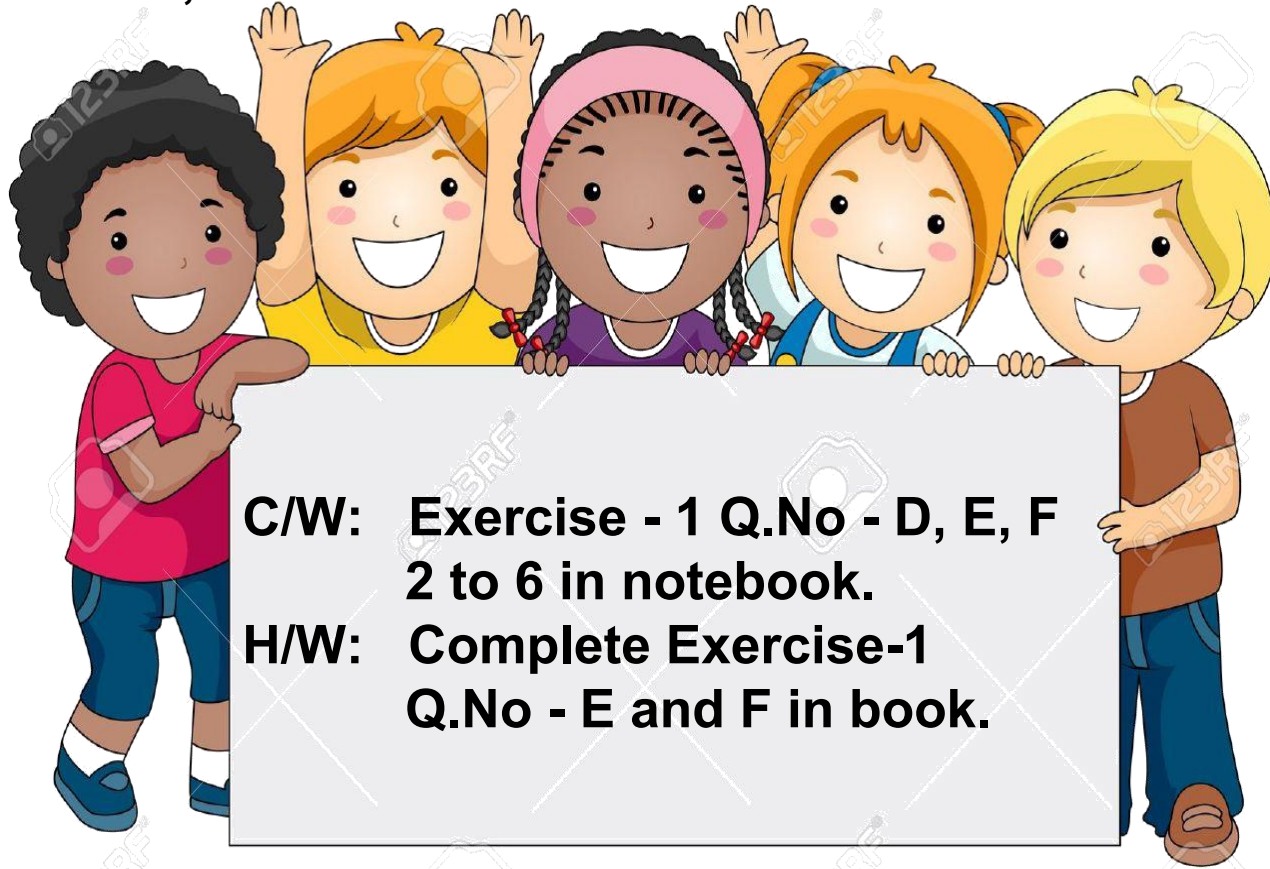
326

6) $00 + 00 + 9$

9

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EXPANDED FORM, SHORT FORM



**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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Find and colour:

- 1) 1 0 0 1 0 1 (RED)
- 2) 1 0 9 1 1 0 (BLUE)
- 3) 9 5 0 9 5 1 (PINK)
- 4) 9 9 8 9 9 9 (YELLOW)
- 5) 3 9 9 4 0 0 (PURPLE)
- 6) 2 0 1 2 0 2 (GREY)
- 7) 6 0 5 6 0 6 (ORANGE)
- 8) 5 9 9 6 0 0 (GREEN)
- 9) 7 0 0 7 0 1 (BROWN)
- 10) 3 3 0 3 3 1 (DEEP BLUE)

P
U
Z
Z
L
E

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

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.

