CLASS-II

PLACE VALUE →

The position of a digit in a number decides the place value of the digit in that number.

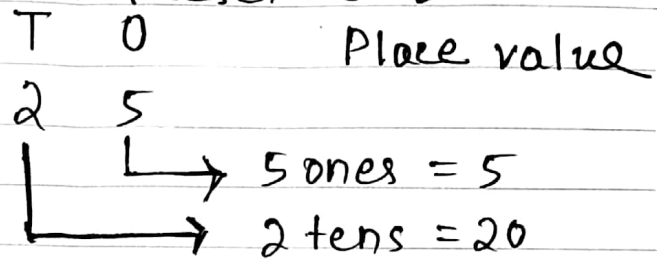The digits 0,1,2,3,4,5,6,7,8,9 are used to make numbers.

The numbers from 0 to 9 → One digit numbers
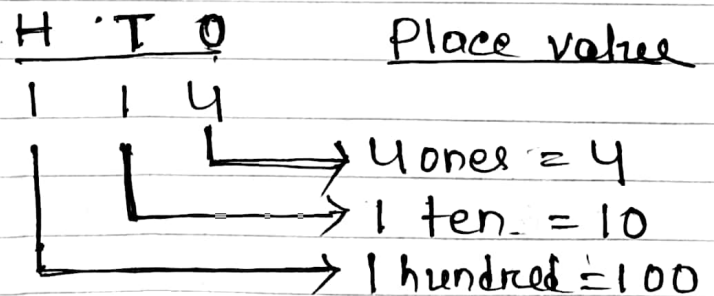The numbers from 10 to 99 → Two digit numbers
The numbers from 100 to 999 → Three digit numbers

for Example →

1 - The place value of the digits 2 and 5 in the number 25 is represented as —

```
 T  O        Place value
 2  5
    └──→ 5 ones = 5
 └──────→ 2 tens = 20
```

2 - The place value of the digits 1, 1 & 4 in the number 114 is represented as —

```
 H  T  O        Place value
 1  1  4
       └──→ 4 ones = 4
    └──────→ 1 ten = 10
 └─────────→ 1 hundred = 100
```

EXPANDED FORM →

When we write a number as the sum of the place value of its digits, the number is said to be in its expanded form.

For Example →

Expanded form of a number (135) is —

1 hundred + 3 tens + 5 ones

or   100 + 30 + 5

The standard form of

400 + 20 + 5 = 125 or 1 hundred + 2 tens + 5 ones
= 125

EXPANDING NUMBERS

What is the expanded form of 196?

The number 196 has
1 hundred, **9** tens and **6** ones.

The expanded form of 196 is
1 hundred + **9** tens + **6** ones,

or 100 + 90 + 6

H	T	O
1	0	0
	9	0
+		6
1	9	6

- -

Write the expanded form of 160.

The number 160 has
1 hundred, **6** tens and **0** ones.

The expanded form of 160 is

100 + 60 + 0

H	T	O
1	0	0
	6	0
+		0
1	6	0

Colour ... get all ... sums ...

EXERCISE 1.2 ———— Do in book. ☆

A. Complete the table. Then write the numbers in their expanded form.

Number	HUNDREDS	TENS	ONES	Expanded form
147	1	4	7	100 + 40 + 7
135	1	3	5	100 + 30 + 5
112	1	1	2	100 + 10 + 2
168	1	6	8	100 + 60 + 8
190	1	9	0	100 + 90
103	1	0	3	100 + 3
156	1	5	6	100 + 50 + 6

B. Fill in the blanks. Do in copy.

100 + 1	= 101		100 + 20 + 5	= 125
100 + 80	= 180		100 + 60 + 9	= 169
100 + 10 + 3	= 113		1 hundred + 6 ones	= 106

1 hundred + 3 tens = 130

1 hundred + 1 ten + 7 ones = 117

1 hundred + 2 tens + 9 ones = 129

1 hundred + 9 tens + 2 ones = 192

106 birds live on our tree.
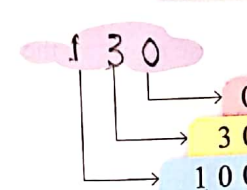
C. Write the place value of each digit. Do in copy.

137 → 7, 30, 100

114 → 4, 10, 100

172 → 2, 70, 100

190 → 0, 90, 100

105 → 5, 0, 100

155 → 5, 50, 100
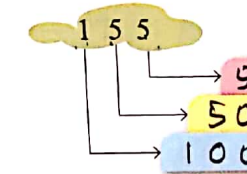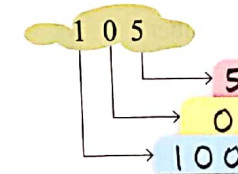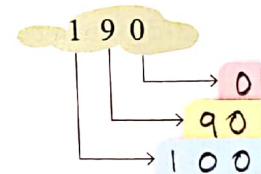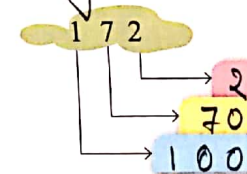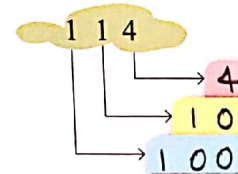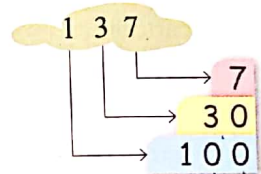
D. Write the number. Do in copy.

175 → 5, 70, 100

189 → 9, 80 8 tens, 100

102 → 2, 0, 100

130 → 0, 30, 100

196 → 6, 90, 100

120 → 0, 20, 100

12

13
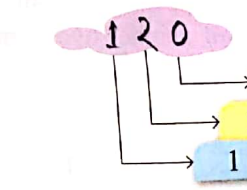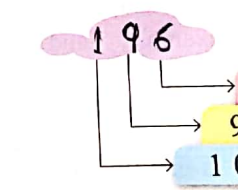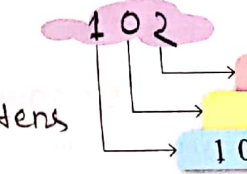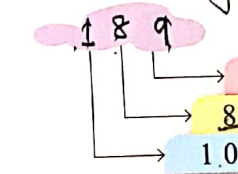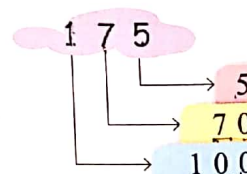
E. Write the place value of the coloured digit. Do in copy.

52 _5 tens_ | 108 _0 tens_ | 116 _1 hundred_

64 _4 ones_ | 143 _1 hundred._ | 170 _0 ones_