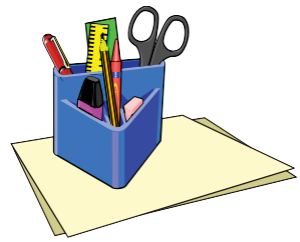
Activity 14



Objective

To convert expanded form of a number into its usual form

Material Required

White paper, pencils, scissors

Method of Construction

1. Take a white paper and cut out rectangular strips (say 20) of equal size (say 10 cm × 2 cm) from it (Fig. 1).

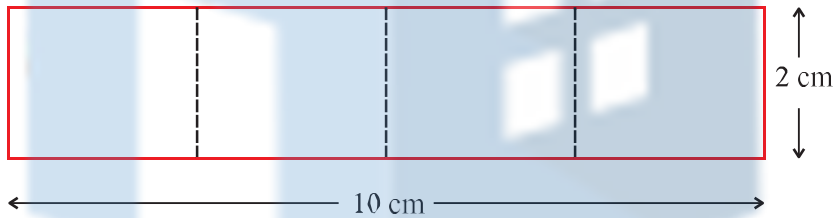


Fig. 1

2. Fold each strip into four equal parts (Fig. 2).

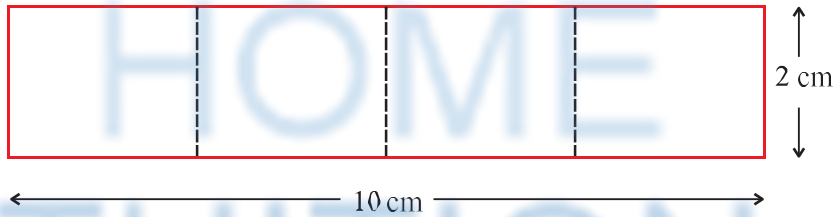


Fig. 2

Demonstration

1. Take a number of four digits written in expanded form say, 2000 + 500 + 60 + 3.

2. Write 2000 in left most part, 500 in the next part, 60 in the next part and 3 in the last part as shown in Fig. 3.

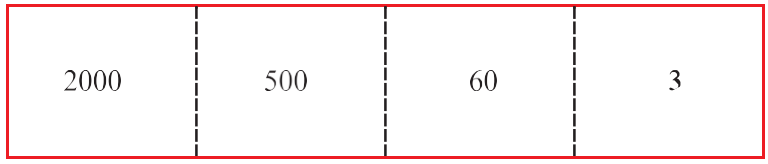


Fig. 3

3. Fold the strip as shown below (such that 0's are not visible) (Fig. 4.)

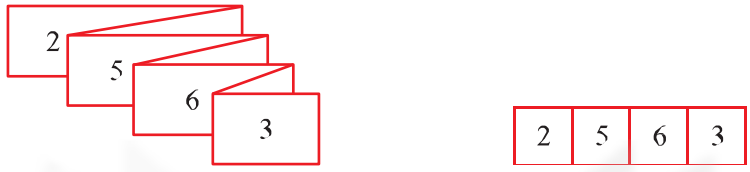


Fig. 4

The number so formed is 2563.

OBSERVATION

S. No.	Expanded Form	Number
1	2000 + 500 + 60 + 3	2563
2	7000 + 800 + 70 + 1	
3	4000 + 100 + 60 + 3	
4	5000 + 200 + 40 + 9	
.	.	.
.	.	.
.	.	.

APPLICATION

1. This activity can be used to write a number from its expanded form and vice-versa.
2. This activity can be extended to build an understanding of place value of digits in a number.

NOTE

This activity may be restricted to a number whose digits are non zero.