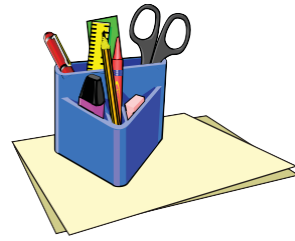


Activity

1



OBJECTIVE

To add two one-digit numbers

MATERIAL REQUIRED

Waste aluminium foil, chart paper, U-clip, thread, needle, sketch pen, die

METHOD OF CONSTRUCTION

1. Take waste aluminium foil, Make small balls (say 30) of same size using waste aluminium foil (Fig.1).



Fig. 1

2. With the help of needle and thread make a *mala* of these balls [Fig. 2].



Fig. 2

3. Make square shaped cards (say 30) using a chart paper.

4. Write numbers 1, 2, 3,... on each card (one number on one card) as shown in Fig. 3.

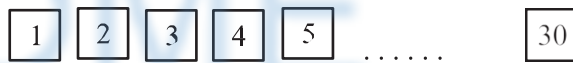


Fig. 3

5. Put a U-clip on each card [Fig. 4].

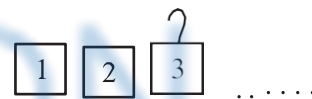


Fig. 4

DEMONSTRATION

1. Divide the whole class into groups each of 4 students. Two students will hold the *mala*.

2. One student will throw the die and read the number which appears on the die (say 5).
3. The other student will pick the card with number (5), count the balls and pin the number tag on the *mala*.
4. Again the die is thrown. If 3 appears on the die then the child will count three balls after 5 and put a number tag of 3. [Fig. 5].

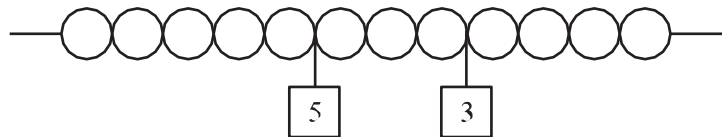


Fig. 5

5. Now a child will count all the balls upto the number tag 3 and put a new number tag of 8 and remove other earlier tags. [Fig. 6].

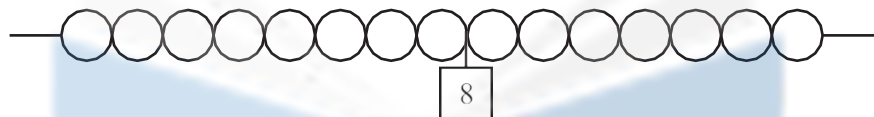


Fig. 6

6. Thus we obtain $5 + 3$ as 8. The activity may be repeated a number of times by other children.

OBSERVATION

Child	Number (on first throw)	Number (on second throw)	Sum	Total
1	5	3	$5 + 3$	8
2	—	—	—	—
3	—	—	—	—
4	—	—	—	—
5	—	—	—	—

APPLICATION

1. This activity is useful in understanding the addition of one digit numbers through concrete objects.
2. The activity can be extended to understand the sum of two-digit numbers by taking *mala* consisting of 100 balls/beads.