

ACTIVITY-3

WHOLE NUMBERS

DISTRIBUTIVE PROPERTY OF WHOLE NUMBERS

1. **What we have to do?**

To apply Distributive Property of Multiplication over Addition in whole numbers.

2. **What is required?**

Graph paper/squared sheet, a pair of scissors and adhesive.

3. **How much time required for this activity?**

30-40 minutes.

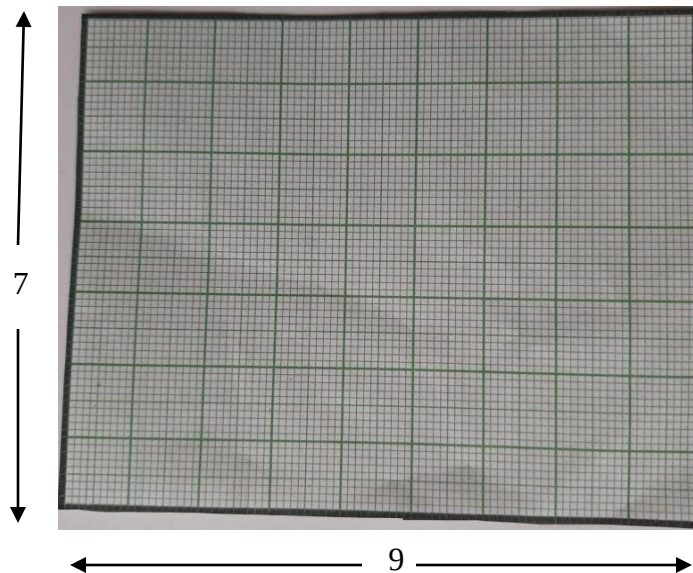
4. **What do you need to know?**

Simple addition and multiplication.

5. **How will you proceed?**

a. Take a graph paper/squared sheet.

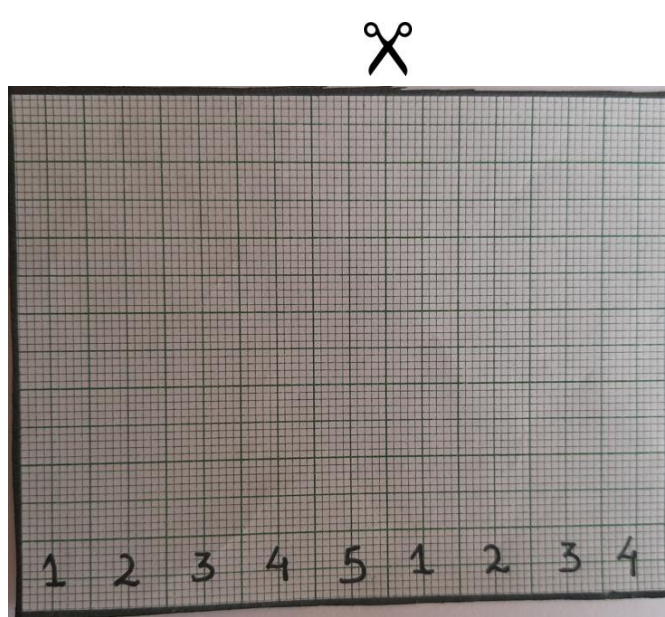
b. Cut out a rectangular piece (say 9 x 7 squares) as shown in Fig.1.



(Fig.1)

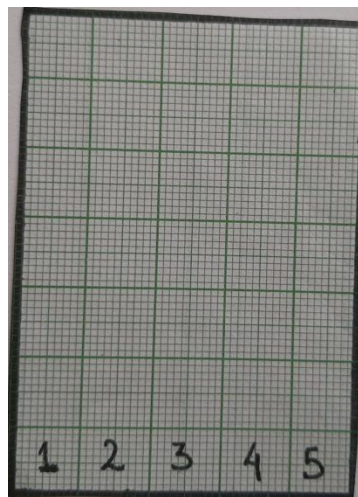
c. Count and write the number of squares of Fig.1.

d. Now, cut the sheet into two pieces of size 7 x 5 squares and 7 x 4 squares as shown in Fig.2.



(Fig.2)

- e. Count and write the number of squares in Fig.3.



(Fig.3)

- f. Count and write the number of squares in Fig.4.



(Fig.4)

g. Add the number of squares of Fig.3 and Fig.4.

6. What have you observed?

- Number of squares obtained in:
 - (i) Fig.1 = _____
 - (ii) Fig.3 = _____
 - (iii) Fig.4 = _____
- Sum of squares obtained in Fig.3 and Fig.4 is _____.
- Is the sum obtained same as the number of squares in Fig.1?

7. What have you learnt?

8. What you have to do as extended activity?

- A fruit seller placed 12 bananas, 10 oranges and 6 apples in a fruit basket. Tina buys 4 such baskets for a function. Find the total number of fruits in 4 baskets using Distributive Property.

9. Real Life Application:

The Distributive Property is used in day to day activities viz. buying groceries, fruits and vegetables from the market, buying stationary etc.