

# Multiplication on Number Line

## FOR TEACHERS

*Content:* Multiplication on the number line

*Materials required:* Square ruled sheets, scale and sketch pens.

*Learning outcome:* Multiplication is the repeated addition of the same number.

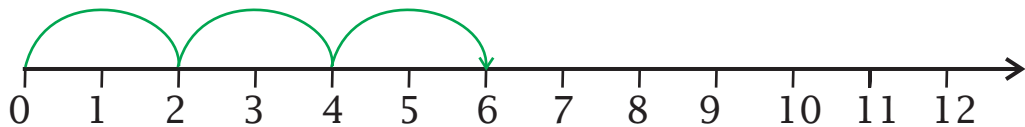


## ACTIVITY

A. Do this activity with the help of square ruled sheets, scale and sketch pens.

Multiply **2** with **3**

- Make a number line on the square ruled sheet.
- Now skip 2 units 3 times on the number line.
- Does your number line look like the one given below?



$$2 + 2 + 2 = 6$$

$$2 \times 3 = \boxed{6}$$

- You will see that 2 units repeated 3 times is equal to 6. That is,  $2 + 2 + 2 = 6$
- The multiplication fact can be written as:  $2 \times 3 = 6$
- Here 6 is said to be the product.

B. Do the activity as explained.

- Draw a number line on a square ruled sheet.
- Make markings for each given below.
- Write down the addition facts.
- Write down the multiplication facts.
  1. 3 units repeated 3 times
  2. 4 units repeated 2 times
  3. 2 units repeated 4 times
  4. 3 units repeated 4 times
  5. 2 units repeated 6 times

C. Do the activity as given.

- Look at the multiplication facts.
- Represent them using a number line in a square ruled sheet.
- Write down the product.

1.  $6 \times 2$       2.  $2 \times 3$

3.  $5 \times 2$

4.  $7 \times 1$       5.  $4 \times 3$

*For teachers:* For exercises B and C give children more number combinations. Ask them to find the product by making a number line. Ensure that they have understood the concept thoroughly.