

**CLASS : 2**  
**SESSION NO. : 3**  
**SUBJECT : MATHEMATICS**  
**TOPIC: CH-6 MULTIPLICATION**  
**SUB TOPIC:PROPERTIES OF MULTIPLICATION .**

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**CHANGING YOUR TOMORROW**

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TODAY'S TOPIC

PROPERTIES OF MULTIPLICATION.

\*Multiplication is repeated addition.

\*When two numbers are multiplied, the answer is called **PRODUCT**.

\*The sign of multiplication is 'x'.



$$4 \times 3 = 12$$

Multiplicand

Product

Multiplier

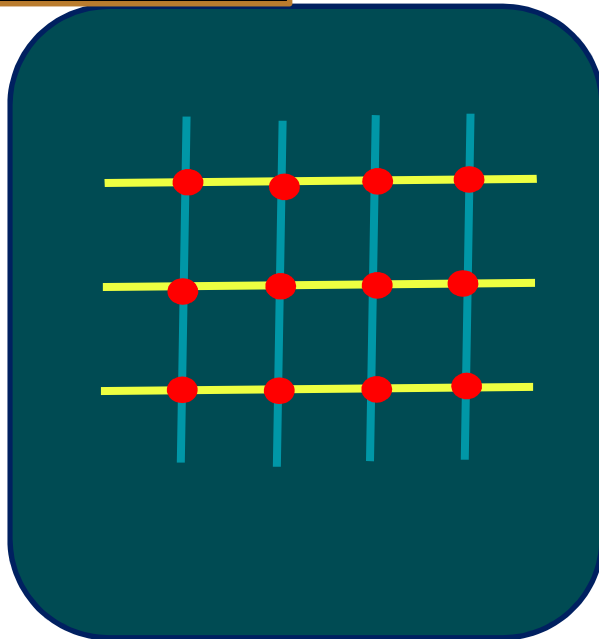
The number which is being multiplied is called multiplicand.

The number by which the multiplicand is multiplied is called the multiplier.

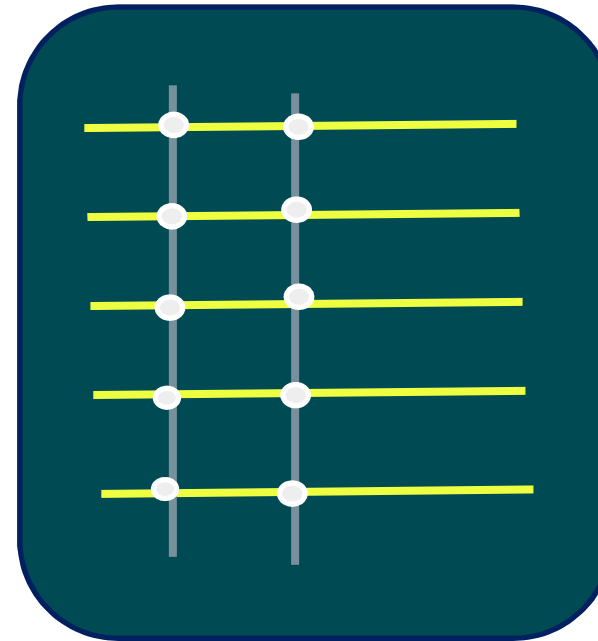


JUST HAVE A RECAP

Write the product .



$$3 \times 4 = 12$$



$$5 \times 2 = 10$$



Repeated addition  $2 + 2 + 2 = 6$

3 times  $2 = 6$

$3 \times 2 = 6$

## Properties of Multiplication

$$4 \times 5 = 20$$

+

$$4 \times 0 = 0$$

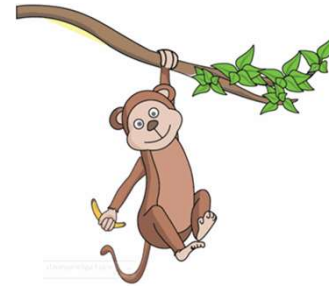
+

When a number is multiplied by 0, the product is always 0

$$6 \times 0 = 0$$

$$8 \times 0 = 0$$

## Properties of Multiplication



**4 groups of 1 monkey**

$$4 \times 1 = 4$$

**When a number is multiplied by 1, the product is the number itself.**





2 groups of 4 flowers =  $2 \times 4 = 8$

4 groups of 2 flowers =  $4 \times 2 = 8$

The product of 2 numbers remains the same even after changing the order of the numbers.

$$\begin{array}{ccc} \boxed{9} & \times & \boxed{5} = \boxed{45} \\ \boxed{\phantom{9}} & \times & \boxed{\phantom{5}} = \boxed{45} \end{array}$$

**CW**

**1. Calculate and prove that the products of the following remain the same even after reversing the order.**

**a.  $7 \times 9 = 63$**

**$9 \times 7 = 63$**

**c.  $4 \times 3 = 12$**

**$3 \times 4 = 12$**

**b.  $9 \times 5 = 45$**

**$5 \times 9 = 45$**

**d.  $5 \times 4 = 20$**

**$4 \times 5 = 20$**

***2. Multiply the following by 1:***

**a.  $9 \times 1 = 9$**

**b.  $8 \times 1 = 8$**

**c.  $6 \times 1 = 6$**

**d.  $4 \times 1 = 4$**

***3. Find the product of the following:***

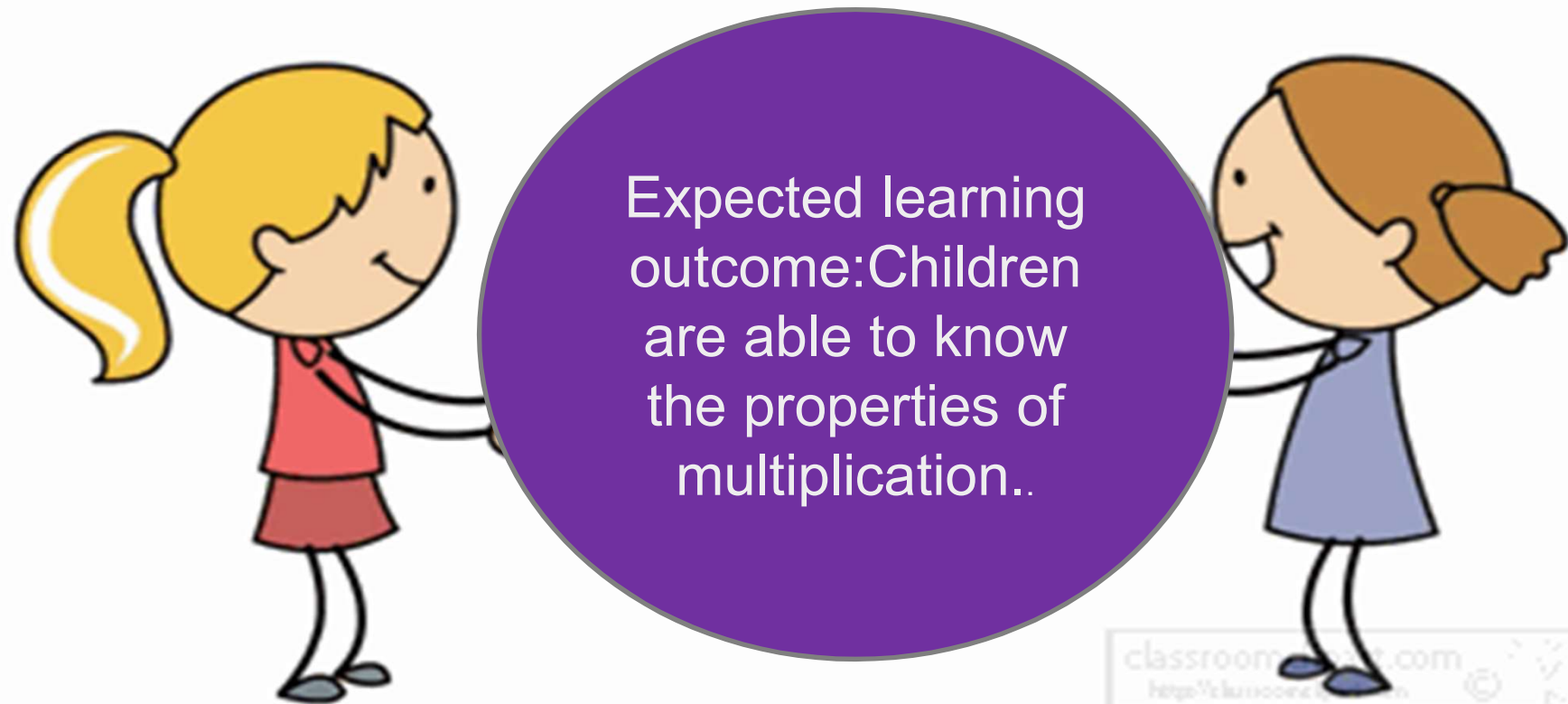
**a.  $16 \times 0 = 0$**

**b.  $8 \times 0 = 0$**

**c.  $6 \times 0 = 0$**

**d.  $2 \times 0 = 0$**

<b>SUB</b>	<b>HOME ASSIGNMENT</b>
<b>Mathematics</b>	<hr/>



**THANKING YOU**  
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