

WORKSHEET-2

Subject – Maths

Class –IV (Chapter 4)

TOPIC – MULTIPLICATION

A. PROPERTIES OF MULTIPLICATION

1. A change in the grouping of numbers to be multiplied does not change the product.

Example: $(13 \times 7) \times 5 = 91 \times 65 =$ 455 } *PRODUCT IS SAME*

$13 \times (7 \times 5) = 13 \times 35 =$ 455 }

2. If the order of two numbers is changed, the product remains same.

Example: $12 \times 2 =$ 24 } *PRODUCT IS SAME*

Or $12 \times 2 =$ 24 }

B. GROUPING PROPERTY

If two numbers are added and multiplied by another number, they are multiplied separately.

Example 1

$$(40 + 2) \times 15$$

1st number *2nd number*

(40+2) are in addition.

$$= 40 \times 15 + 2 \times 15$$

$$= 600 + 30$$

Answer = 630 (Product)

Example 2

$$(24 + 4) \times 12$$

1st number *2nd number*

(24+4) are in addition.

$$= 24 \times 12 + 4 \times 12$$

$$= 288 + 48$$

Answer = 336 (Product)

Try to solve the following questions:

1. Find the product using GROUPING PROPERTY.

- $(11+8) \times 7$
- $(16+2) \times 5$
- $(12+4) \times 6$
- $(9+14) \times 4$

