

Ch 4 : Multiplication

30/4/21

Facts:

1) $5 \times 4 = 20$ OR 5 times 4 is 20

↓ ↓ ↓

Factor Factor Product

2) Any number multiplied by 1 is the number itself.

eg. $352 \times 1 = 352$

3) Two numbers multiplied in any order give the same product.

eg. $421 \times 5 = 2105$

$5 \times 421 = 2105$

4) Any number multiplied by 0 is always 0.

eg. $666 \times 0 = 0$

5) Product of three numbers remains same even if we change grouping of the numbers.

eg. $3 \times (4 \times 5) = 3 \times 20 = 60$

$(3 \times 4) \times 5 = 12 \times 5 = 60$

$$\text{So } 3 \times (4 \times 5) = (3 \times 4) \times 5$$

Multiply the following:

$$\begin{array}{r} \text{a) } 12 \times 8 \\ \quad 12 \\ \quad \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 32 \times 6 \\ \quad 32 \\ \quad \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 78 \times 9 \\ \quad 78 \\ \quad \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 82 \times 3 \\ \quad 82 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 132 \times 3 \\ \quad 132 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 101 \times 7 \\ \quad 101 \\ \quad \times 7 \\ \hline \end{array}$$

$$g) \quad 3 \quad 2 \quad 4 \quad \times \quad 4$$

$$3 \quad 2 \quad 4$$

$$\times \quad 4$$

$$h) \quad 4 \quad 8 \quad 3 \quad \times \quad 2$$

$$4 \quad 8 \quad 3$$

$$\times \quad 2$$