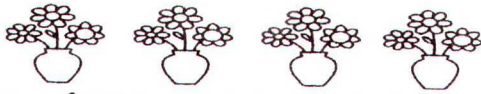


Name: _____ Sec: _____ Date: _____



There are 4 flower vases. Each flower vase has 3 flowers. There are 12 flowers in all.

There are 4 groups of 3 flowers each. $3 + 3 + 3 + 3 = 12$

When we add the same number over and over again, it is called "repeated addition".

When each group has the same number, we can multiply to find how many are there in all. 'X' is the sign for Multiplication. Now we can write $4 \times 3 = 12$

Multiplication is 'repeated addition'. We read "4 times 3" equals to 12.

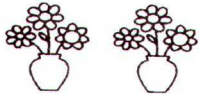
$4 \times 3 = 12$ is a multiplication fact.

Where, 4 and 3 are called factors of 12. 12 is called the product of 4 and 3.

$$\begin{array}{ccccc}
 4 & \times & 3 & = & 12 \\
 \downarrow & & \downarrow & & \downarrow \\
 \text{Factor} & & \text{Factor} & & \text{Product}
 \end{array}$$

PROPERTIES OF MULTIPLICATION

1) A change in the order of the factors does not change the product.



Eg. $2 \times 3 = 6$

or



$3 \times 2 = 6$

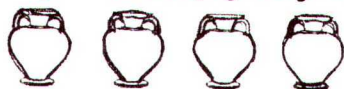
2) When you multiply 1 (one) by any number, the answer is always that number.



Eg. $1 + 1 + 1 + 1 + 1 = 5$
 $5 \times 1 = 5$

5 groups of 1 flower each.

3) When you multiply any number by Zero (0), the answer is always zero (0).



Eg. $0 + 0 + 0 + 0 = 0$

4 groups of 0 flowers.

$4 \times 0 = 0$