Multiplication:
Your Guide to Key Terms & Strategies

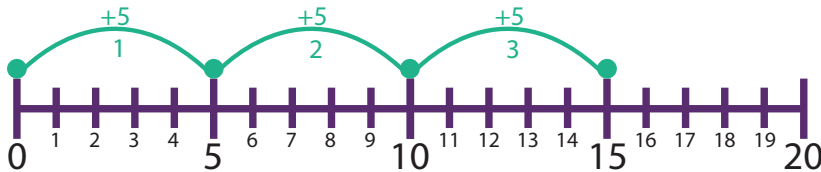**Equation:** PRODUCT

$$3 \times 5 = 15$$

FACTORS

Directions: Use this mini-poster as your guide to solving the multiplication problems in this workbook!

Skip-Count on a number line

+5 +5 +5
1   2   3

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Skip-count (forwards) by the value of the second factor.

3 hops of 5 lands on 15, so $3 \times 5 = 15$.

Repeated Addition

$$3 + 3 + 3 + 3 + 3 = 15$$

The value of the second factor is the number of times you add the first factor to itself.

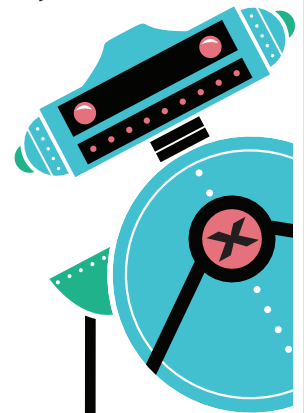The sum of the first factor added to itself equals the product.
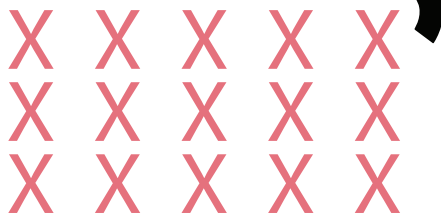
Fact Family

$$3 \times 5 = 15$$
$$5 \times 3 = 15$$
$$15 \div 5 = 3$$
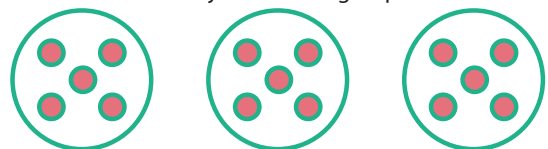$$15 \div 3 = 5$$

Array

X X X X X
X X X X X
X X X X X

The first factor tells you how many rows to draw.

The second factor tells you how many X's to draw in each row.

The total number of X's equals the product.

Equal Groups

of groups ← $3 \times 5 = 15$ → total # of objects

# of objects in each group

Draw circles to represent the first factor.

The second factor equals the number of dots you will draw in each circle.

The total number of dots equals the product.

Multiplication: Factors are multiplied together to find the product or total

Factors: Numbers that are multiplied together

Product: The answer to a multiplication problem

Row: A horizontal group of objects

Column: A vertical group of objects

X X X X X
X X X X X
X X X X X