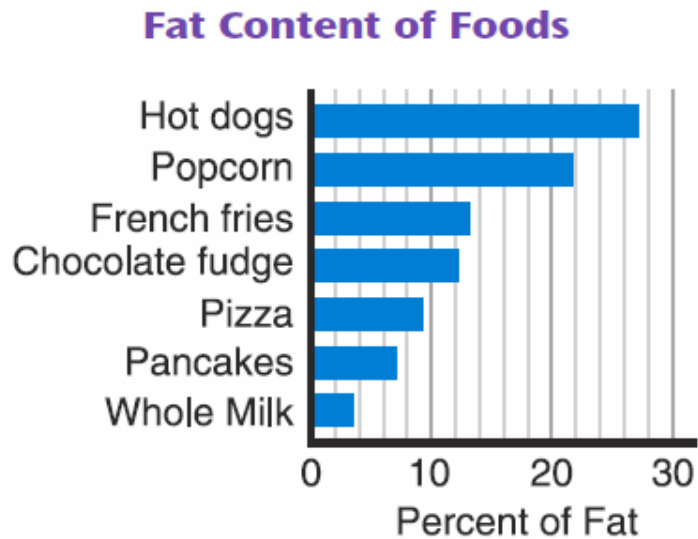# Bar Graph – a graph with horizontal or vertical bars that represent data

Wasted Foods

Percent wasted

Vegetables | Bakery goods | Fruit | Fast food | Red meat

Fat Content of Foods

Food	
Hot dogs	
Popcorn	
French fries	
Chocolate fudge	
Pizza	
Pancakes	
Whole Milk	

Percent of Fat: 0 10 20 30
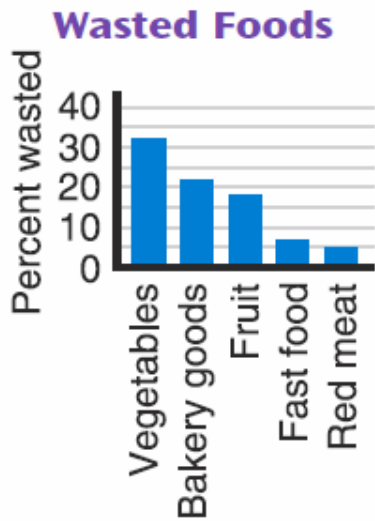
Basic Food Groups – 5 basic food groups from which people need to eat in order to stay healthy; these groups are Fruits, Vegetables, Grains, Meat & Beans, and Milk; http://kidshealth.org/kid/stay_healthy/food/pyramid.html

MyPyramid
STEPS TO A HEALTHIER YOU
MyPyramid.gov

GRAINS | VEGETABLES | FRUITS | MILK | MEAT & BEANS
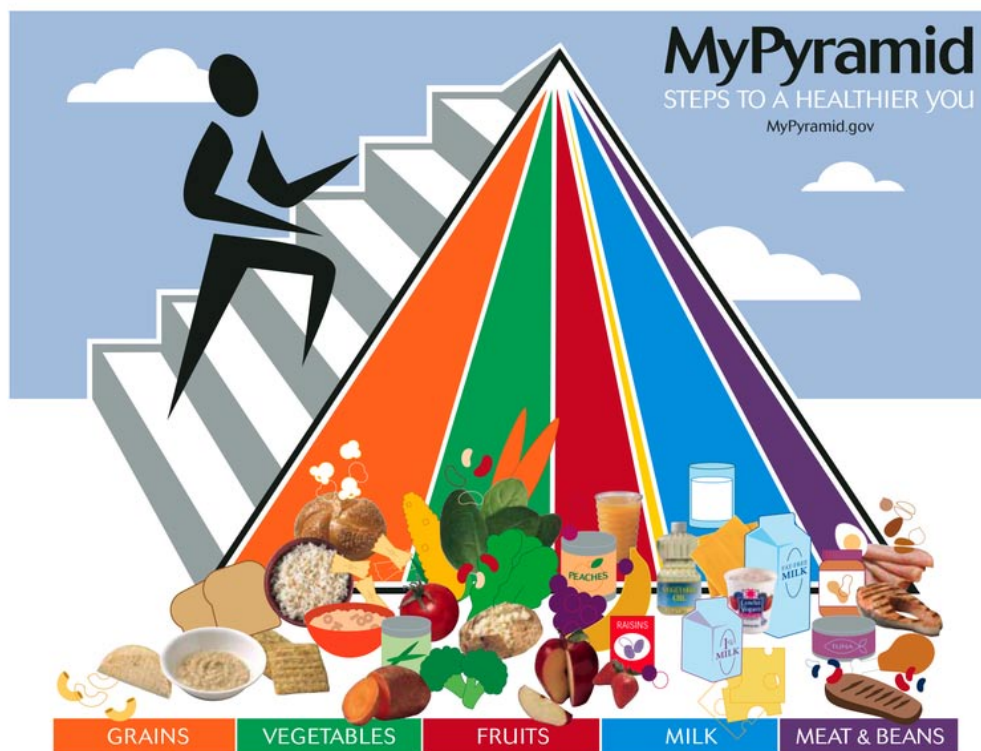
Comparison Diagram – a diagram used to model situation sin which two quantities are compared by addition or subtraction

Quantity
12

Quantity
9

?
_____
Difference
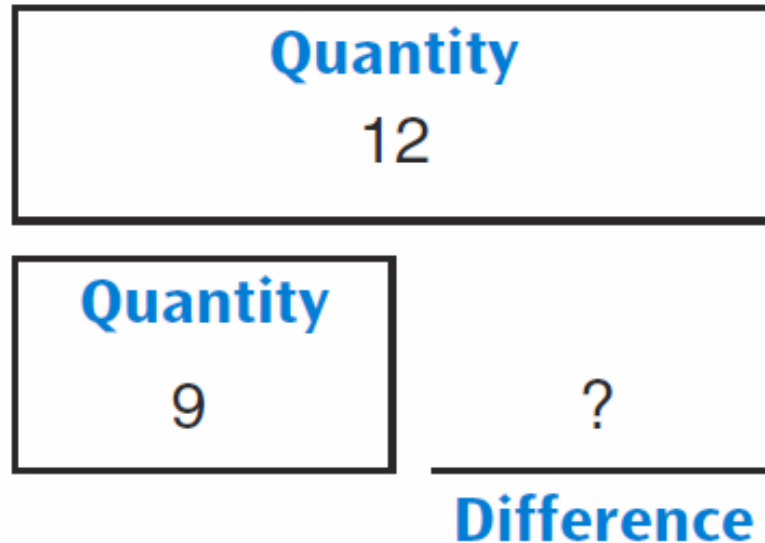
Comparison Number Stories – story problems that involve finding the difference between two separate quantities

What is the difference between the high and low temperature from yesterday?

Data Table – an organized way to show data, or information, in a table

fruit/ vegetables	bread/cereal/ rice/pasta	dairy products	meat/poultry/fish/ beans/eggs/nuts
ЖЖ‖	ЖЖ ‖‖	ЖЖ ЖЖ ЖЖ	‖‖‖

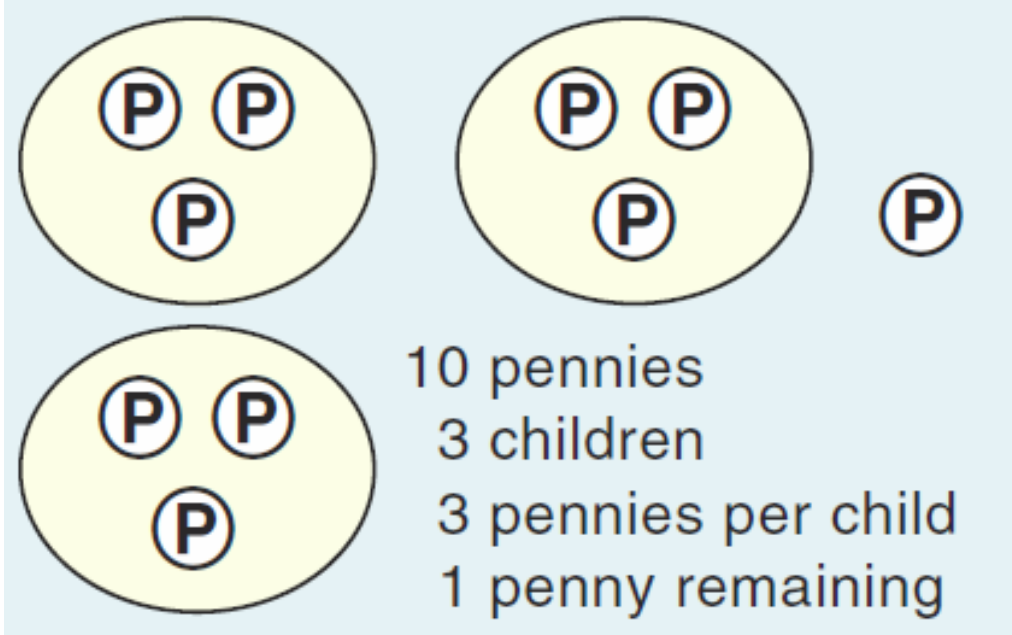**Difference** – the result of subtracting one number from another

$$12 - 5 = 7$$

↑

Differences

$$\begin{array}{r} 9 \\ -\ 6 \\ \hline 3 \end{array}$$

Division – a mathematic operation used to divide objects or numbers among a specific group or number
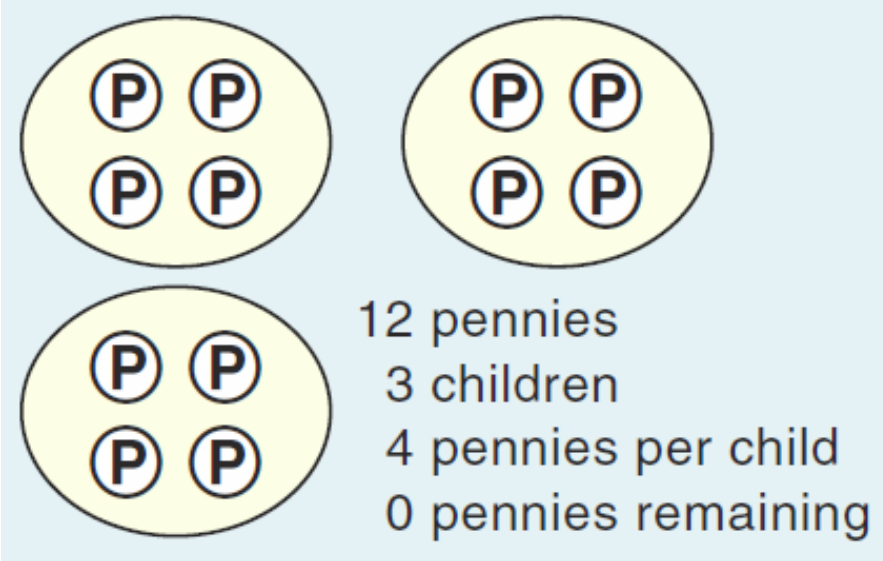
Divide 10 pennies among 3 children

P P
P

P P
P

P

P P
P

10 pennies
3 children
3 pennies per child
1 penny remaining

Equal Grouping/Equal Groups/Equal Sharing – dividing a number or a number of objects evenly, without anything left over
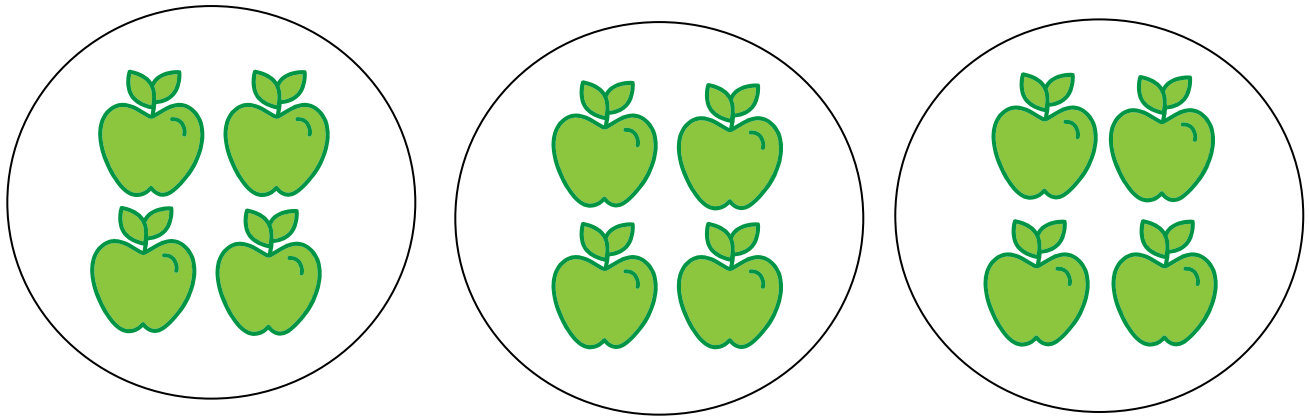
Divide 12 pennies among 3 children

P P
P P

P P
P P

P P
P P

12 pennies
3 children
4 pennies per child
0 pennies remaining

Multiplication – a method of finding the total number of objects in several equal groups

3 groups of 4 apples = 12 apples

Multiplication/Division Diagram – a diagram used to model situations in which a total number is made up of equal-size groups

rows	chairs per row	chairs in all
15	25	?

Multiplied By/Times – the factor (number) by which a quantity or amount is being multiplied
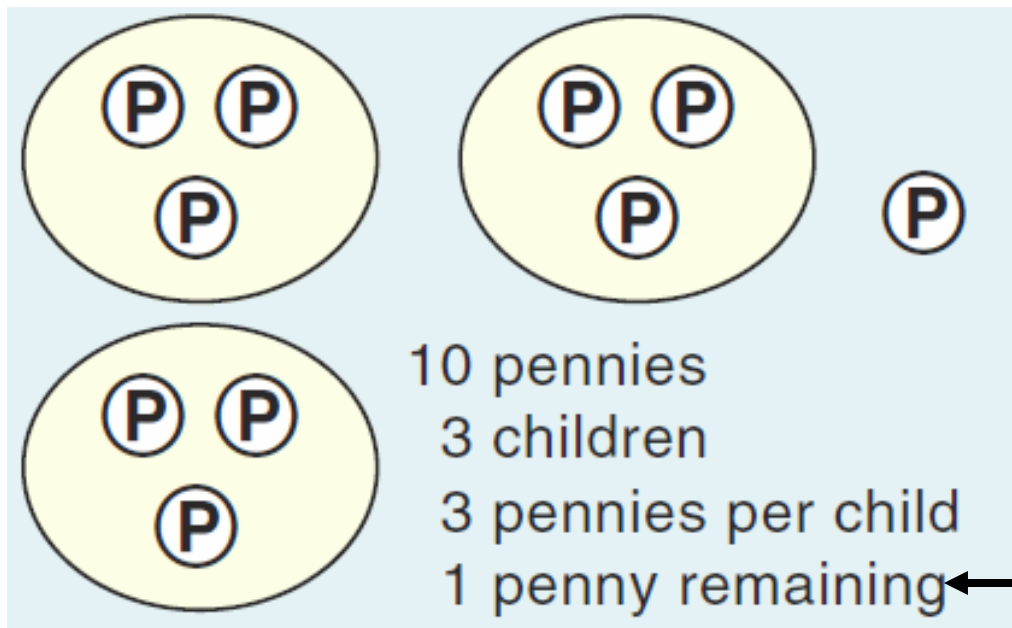
$$5 \times 6 = 30$$

Is read, "5 *times* 6 equals 30"

Or "5 *multiplied* by 6 equals 30"

Remainder – the amount left over when one number is divided by another number.

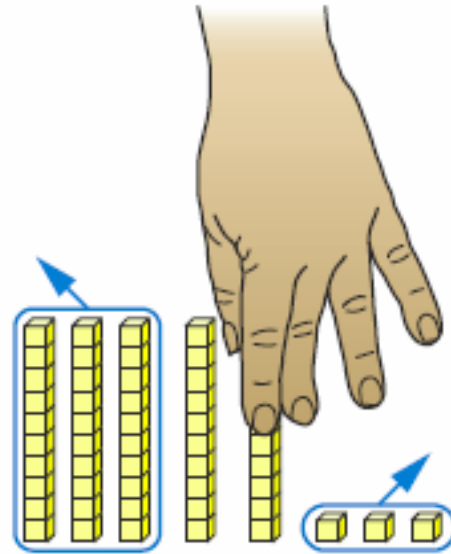### Divide 10 pennies among 3 children

10 pennies
3 children
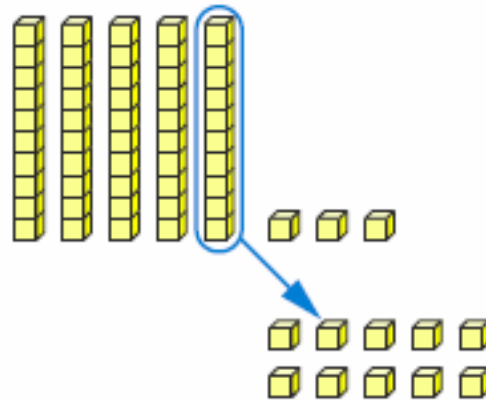3 pennies per child
1 penny remaining

Trade (a base 10 long for 10 cubes) - in subtraction, if there are not enough ones to take away, we need to trade in a base 10 long for 10 cubes

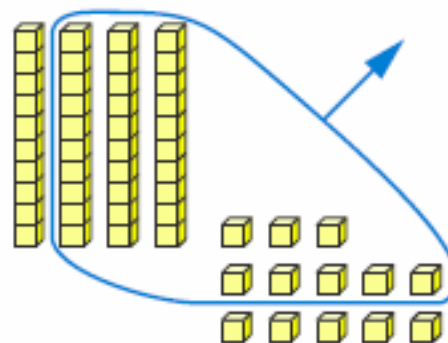$$\begin{array}{r} 53 \\ -38 \\ \hline ? \end{array}$$

There are only 3 ones, and we need to take away 8.

Trade one long 10 for ten long cubes.

Now, there are 4 long 10s left and 13 ones. We can take away 38 (3 long 10s and 8 cubes).

X-by-Y Array – an arrangement of objects or numbers in a regular pattern of rows and columns

A telephone has 4 rows of keys, 3 keys in a row. It makes a 4 by 3 array.

○ ○ ○

○ ○ ○

○ ○ ○

○ ○ ○