

Second Grade CCSS Math Vocabulary Word List

*Terms with an asterisk are meant for teacher knowledge only—students do not need to learn them.

Add To combine; put together two or more quantities.

Addend Any number being added

a.m. The half of the day from midnight to midday

Analog clock Clock with hands: a clock that shows the time by means of hands on a dial

Angle is formed by two rays with a common endpoint (called the vertex)

Array an orderly arrangement in rows and columns used in multiplication and division to show how multiplication can be shown as repeated addition and division can be shown as fair shares.

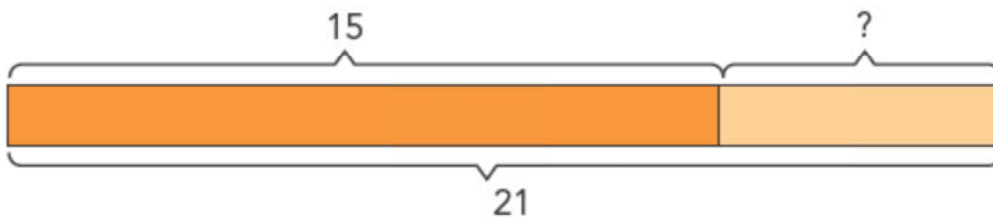
***Associative Property of Addition** When three or more numbers are added, the sum is the same regardless of the grouping of the addends. For example $(2 + 3) + 4 = 2 + (3 + 4)$

Attribute A characteristic of an object such as color, shape, size, etc

Bar graph A graph drawn using rectangular bars to show how large each value is

Bar Model a visual model used to solve word problems in the place of guess and check. Example:

There are 21 fish in a bowl. Fifteen are from students. The rest are from the school. How many are from the school?



***Cardinality**-- In mathematics, the **cardinality** of a set is a measure of the

"number of elements of the set". For example, the set $A = \{2, 4, 6\}$ contains 3 elements, and therefore A has a cardinality of 3.

Category A collection of things sharing a common attribute

Cent The smallest money value in many countries. 100 cents equals one dollar in the US.

Centimeter A measure of length. There are 100 centimeters in a meter

Circle A figure with no sides and no vertices.

Closed figure the start and end points of a figure are same

***Commutative Property of Addition** When two numbers are added, the sum is the same regardless of the order of the addends. For example $4 + 2 = 2 + 4$

Compare To decide if one number is greater than, less than, or equal to another number . Can also be used to tell how shapes are alike or different.

Compose To put together basic elements. (e.g., Numbers or geometric shapes.)

Cone A geometric solid with a circular base and curved surface.

Count back A way to subtract

Count on A way to add

Counting up A way to determine a difference. Count up from the smaller to the larger number

Cube A solid figure with six square faces

Customary system the United States standard system of measurement

Cylinder A geometric solid with two circular bases and a curved surface

Data A collection of information

Decompose To separate into basic elements. (e.g., Numbers or geometric shapes.)

Difference The result when one number is subtracted from another

Digit Any of the symbols 0, 1, 2, 3, 4, 5, 6, 7, 8, or 9.

Digital clock uses only numerals to show the time

Dime a coin with the value of 10 cents

Dollar the basic monetary unit and one dollar is equivalent to 100 cents.

Doubles any of the addition facts that have two of the same numbers

Doubles minus 1 An Addition strategy building on the Doubles strategy. When two consecutive numbers are added (ex: $5+6$), the student can think of the Doubles of the larger number ($6+6=12$), and subtract one (to get 11).

Doubles plus 1 An Addition strategy building on the Doubles strategy. When two consecutive numbers are added (ex: $5+6$), the student can think of the Doubles of the smaller number ($5+5=10$), and add one more (to get 11).

Equal Having the same amount. (e.g., 4 equals $3 + 1$ means that 4 is the same amount as $3 + 1$.)

Equal groups having the same number of units in each group.

Equal shares the result of dividing a shape or quantity into equal portions

Equation A number sentence *with an equal sign*. The amount on one side of the equal sign has the same value as the amount on the other side.

Estimate A close guess of the actual value, usually with some thought or calculation involved.

Even number Any integer that can be divided exactly by 2

Expanded form a way to write a number that shows the sum of values of each digit of a number. Example: the expanded form of the number 543 would be $500 + 40 + 3$.

Expression A mathematical phrase *without an equal sign*.

Face A flat surface of a three-dimensional figure

***Fluency** efficient, flexible and accurate methods for computing

Foot 12 inches

Fourth One of four equal parts

Fraction two quantities written one above the other, that shows how much of a whole is shown

Friendly or Nice numbers numbers that end in 0 or 5 and help with mental math

Geometric solid a three dimensional figure

> Greater than Greater than is used to compare two numbers when the first number is larger than the second number

Half circle anything having the shape or form of half a circle

Half hour a period of 30 minutes

Halves Two equal parts combining to make one shape

Hexagon A plane figure with six straight sides and six vertices

Hour A period of sixty minutes

Hour hand The short hand in the analog clock

Inch a measure of length. There are 12 inches in a foot

***Iterating** using the repetition of a single unit for a measurement

Key used to identify the number of categories present in a graph. It is also called a legend.

Length A measure of how long something is.

< Less than Less than is used to compare two numbers when the first number is smaller than the second number

Line In geometry a line is straight (no curves); has no thickness, and extends in both directions without end

Line plot shows data on a number line with x or other marks to show frequency

Meter The basic unit of length (or distance) in the Metric System. The abbreviation is m

Metric system A system of measuring based on the meter for length

Minute A period of 60 seconds

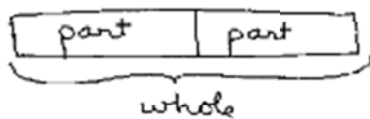
Minute hand The longer hand on an analog clock

Money how much something is worth

Nickel The 5-cent coin

Number A number indicates how many or how much.

Number bond a picture of the relationship between a number and the parts that combine to make it. Examples:



Number line A line with numbers placed in their correct position

Numeral A symbol used to represent a number. (e.g., 6)

Odd number Any integer that CANNOT be divided exactly by 2

One-fourth one of four equal parts

One-half one of two equal parts

One-third one of three equal parts

Open Number Line A number line with no numbers or tick marks

Penny A coin with the value of 1 cent

Pentagon a polygon with five sides

Picture graph a type of graph that uses symbols and pictures to represent a data.

Place value The value of where the digit is in the number

p.m. the half of the day from midday to midnight

Quadrilateral a four-sided polygon

Quarter A coin with the value of 25 cents

Quarter of Being one of four equal parts

Quarter-hour A unit of time equal to 15 minutes

Rectangle A plane figure with 4 sides and 4 square vertices.

Regroup reorganizing the formation of a group. Example: the number 230 could be regrouped as 1 hundred and 13 tens

side A line segment that forms a shape on a 2-dimensional figure

Sort To group or organize according to shared attributes

Sphere A geometric solid with a curved surface

Square A plane figure with 4 sides that are the same length and 4 square vertices.

***Subitize—subitizing** is instantly seeing *how many*. Example—flash dice or dot cards and students are able to tell how many dots without having to count them

Standard form the numerical version of a number where each number has a place value

Subtract Take away; remove; compare.

Sum The answer to an addition problem

Tens The digit that is 2 places to the left of the decimal

Third One of three equal parts

3-dimensional Solid shapes; having points or sides that are not all on one plane.

Triangle A three-sided polygon

2-dimensional Lying in a plane; flat

Unit the first place to the left of the decimal point (also ones)

Vertex A corner of a figure. (plural - vertices)

Weight A measure of the heaviness of an object

Whole numbers The set of numbers that includes zero and all of the natural numbers

Word form A way to write the number using words. Example: The word form of the number 9,325 is nine thousand, three hundred twenty-five.

