Vocabulary Cards and Word Walls
Revised: June 29, 2011

Important Notes for Teachers:

- The vocabulary cards in this file match the Common Core, the math curriculum adopted by the Utah State Board of Education, August 2010.
- The cards are arranged alphabetically.
- Each card has three sections.
  - Section 1 is only the word. This is to be used as a visual aid in spelling and pronunciation. It is also used when students are writing their own “kid-friendly” definition and drawing their own graphic.
  - Section 2 has the word and a graphic. This graphic is available to be used as a model by the teacher.
  - Section 3 has the word, a graphic, and a definition. This is to be used for the Word Wall in the classroom. For more information on using a Word Wall for Daily Review – see “Vocabulary – Word Wall Ideas” on this website.
- These cards are designed to help all students with math content vocabulary, including ELL, Gifted and Talented, Special Education, and Regular Education students.

For possible additions or corrections to the vocabulary cards, please contact the Granite School District Math Department at 385-646-4239.

Bibliography of Definition Sources:

mass

The amount of matter in an object. Usually measured by comparing with an object of known mass. While gravity influences weight, it does not affect mass.
A baseball bat is about 1 meter long.
A system of measurement based on tens. The basic unit of capacity is the liter. The basic unit of length is the meter. The basic unit of mass is the gram.
Two times around the average roller coaster is about 1 mile.

A customary unit of length.
1 mile = 5,280 feet
milliliter (mL)

This holds about 10 drops or 1 milliliter.

A metric unit of capacity. 1,000 milliliters = 1 liter.
A metric unit of length. 1,000 millimeters = 1 meter

The dot on a ladybug is about 1 millimeter wide.

The dot on a ladybug is about 1 millimeter wide.
minute (min)

One sixtieth of an hour or 60 seconds.
A number that has a whole number (not 0) and a fraction.
multiple

12 is a multiple of 3 (and of 4) because $3 \times 4 = 12$

A product of a given whole number and any other whole number.
Amy has 5 baseball cards. Jeff has 3 times as many cards as Amy. How many baseball cards did they have altogether?

Compare by asking or telling how many times more one amount is as another. e.g. 4 times greater than.
Multiply

$3 \times 5 = 5 + 5 + 5$

$3 \times 5$ is the same as $5 + 5 + 5$

The operation of repeated addition of the same number.
A diagram that represents numbers as points on a line.
The number written above the line in a fraction. It tells how many equal parts are described in the fraction.
An angle with a measure greater than 90° but less than 180°.
Order of Operations

A set of rules that tells the order in which to compute.

Order of Operations

1. Do operations in parentheses.
2. Multiply and divide in order from left to right.
3. Add and subtract in order from left to right.
ounce (oz)

A strawberry weighs about 1 ounce.

A customary unit of weight equal to one sixteenth of a pound. 16 ounces = 1 pound.
parallel lines

Lines that are always the same distance apart. They do not intersect.
Parentheses are used in mathematics as grouping symbols for operations. When simplifying an expression, the operations within the parentheses are performed first.
A repeating or growing sequence or design. An ordered set of numbers or shapes arranged according to a rule.
The distance around the outside of a figure.

Perimeter = 4cm + 6cm + 4cm + 3cm
= 17cm
In a large number, periods are groups of 3 digits separated by commas or by spaces.
perpendicular lines

Two intersecting lines that form right angles.
pint (pt) is a customary unit of capacity. 1 pint = 2 cups. The orange juice carton holds 1 pint.
The value of the place of a digit in a number.

<table>
<thead>
<tr>
<th>MILLIONS</th>
<th>THOUSANDS</th>
<th>ONES</th>
</tr>
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<tbody>
<tr>
<td>hundred millions</td>
<td>ten thousands</td>
<td>millions</td>
</tr>
<tr>
<td>7</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>hundred thousands</td>
<td>ten thousands</td>
<td>thousands</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>hundreds</td>
<td>tens</td>
<td>ones</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
<td>1</td>
</tr>
</tbody>
</table>
plane figure

A two-dimensional figure.
The exact location in space represented by a dot.
Pound (lb)

A loaf of bread weighs about 1 pound.

A customary unit of weight. 1 pound = 16 ounces.
A whole number greater than 0 that has exactly two different factors, 1 and itself.
The answer to a multiplication problem.

\[ 5 \times 3 = 15 \]
A tool used to measure and draw angles.
quart (qt)

A customary unit of capacity.

1 quart = 2 pints
1 quart = 4 cups

The milk carton holds 1 quart.
The answer to a division problem.
The difference between the greatest number and the least number in a set of data.
A part of a line that has one endpoint and goes on forever in one direction.
What is the product of 57 and 34?
A. 1,938  C. 5,738
B. 3,208  D. 8,698

Use estimation to eliminate unreasonable choices.
60 x 30 = 1,800
B, C, and D are not close to 1,800.
The answer is A.

An answer that is based on good number sense.
### Related Facts for 3, 5, 8

<table>
<thead>
<tr>
<th>Related Facts for 3, 5, 8</th>
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</thead>
<tbody>
<tr>
<td>$3 + 5 = 8$</td>
</tr>
<tr>
<td>$8 - 5 = 3$</td>
</tr>
<tr>
<td>$5 + 3 = 8$</td>
</tr>
<tr>
<td>$8 - 3 = 5$</td>
</tr>
</tbody>
</table>

Related addition and subtraction facts or related multiplication and division facts.
Also called *fact family*. 
There are 22 students going on a field trip. There are 5 chaperones. How many students can be in a group?

\[ 22 \div 5 = 4 \text{ R}2 \]

4 or 5 students can be in a group.

The amount left over when one number is divided by another.
A right angle is an angle that measures exactly 90°.
right triangle

A triangle that has one 90° angle.
round a whole number

To find the nearest ten, hundred, thousand, (and so on).
second (sec)
(unit of time)

60 seconds = 1 minute

One sixtieth of a minute. There are 60 seconds in a minute.
sequence

2, 5, 8, 11, 14, 17...

A set of numbers arranged in a special order or pattern.
When a fraction is expressed with the fewest possible pieces, it is in simplest form. (Also called lowest terms.)
To express a fraction in simplest form.
A unit, such as square centimeter or square inch, used to measure area.
standard form

A common or usual way of writing a number using digits.
An operation that gives the difference between two numbers. Subtraction can be used to compare two numbers, or to find out how much is left after some is taken away.
The answer to an addition problem.

453 + 929 = 1,382
One of the equal parts when a whole is divided into 10 equal parts.
A duration of a segment of time.
two-dimensional

Having length and width. Having area, but not volume. Also called a plane figure.
unit fraction

A fraction that has 1 as its numerator.
unlike denominators

Denominators that are not equal.

Whole numbers are zero and the counting numbers 1, 2, 3, 4, 5, and so on. If a number has a negative sign, a decimal point, or a part that's a fraction, it is not a whole number.
variable

$5 \times b = 10$

$b$ is a variable worth 2

A letter or symbol that represents a number.
The point at which two line segments, lines, or rays meet to form an angle.
The number of cubic units it takes to fill a figure.
The measure of how heavy something is.
Whole numbers are zero and the counting numbers 1, 2, 3, 4, 5, 6, and so on. If a number has a negative sign, a decimal point, or a part that's a fraction, it is not a whole number.
The word form of 12,345 is twelve thousand three hundred forty-five. A way of using words to write a number.
yard (yd)

A door is about 1 yard wide.

A customary unit of length. 1 yard = 3 feet or 36 inches.

A door is about 1 yard wide.
Zero Property of Multiplication

The product of any number and zero is zero.

\[ 8 \times 0 = 0 \]