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:

To combine; put together two or more quantities.
addend

\[ 5 + 3 + 2 = 10 \]

Any number being added.
Additive Identity Property of 0

Adding zero to a number gives a sum identical to the given number.

3 + 0 = 3
alike

Same size, quantity, or amount.
A clock that shows the time by the positions of the hour and minute hand.
Associative Property of Addition

Changing the grouping of 3 or more addends does not change the sum.

\[ (a + b) + c = a + (b + c) \]
A characteristic of an object, such as color, shape, size, etc.
A graph that uses height or length of rectangles to compare data.
A model that uses bars to represent known and unknown quantities and the relationship between these quantities.

Some bugs are on a leaf. 2 more bugs join them. Now there are 8 bugs. How many bugs were on the leaf before?
A collection of things sharing a common attribute.
A closed shape with no sides and no vertices.
closed shape

A shape with all the sides connected.
A vertical arrangement of numbers or information in an array or table.
Commutative Property of Addition

Changing the order of the addends does not change the sum.

\[ 3 + 2 = 2 + 3 \]
To decide if one number is greater than, less than, or equal to another number.

4 is more than 3.
To put together smaller numbers to make larger numbers.

10 + 8

18

10 + 8

18
composes

To put together 2 or more shapes to create a new shape.
A shape that is made from 2 or more geometric shapes.
cone

A solid shape with a circular base, a curved surface, and one vertex.
A way to subtract.
count on

count on

count on

A way to add.
A way to subtract.
Finding the difference by adding up from the smaller number to the larger number.

Start with 5. Count up 2 more to reach 7.
The difference is 2.

7 - 5 = 2
cube

A solid shape with 6 square faces.
curved surface

A rounded surface.
cylinder

A solid shape with 2 circular bases and a curved surface.
data

A collection of information.
A given month, day, and year.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
</tr>
</tbody>
</table>

September 25, 2013
There are 24 hours in a day.
decompose

to separate a number into 2 or more parts.

18

10 + 8
decompose

To separate a shape into smaller shapes.
difference

3 \(-\) 2 = 1

The result when one number is subtracted from another.
Compare 2 or more objects or figures to find what is not the same.

Different size, but same shape.
Any of the symbols 0, 1, 2, 3, 4, 5, 6, 7, 8, or 9.
A clock that shows the time with numbers of hours and minutes; usually separated by a colon. (:)
doubles

Addition facts with two addends that are the same.

4 + 4 = 8

4 + 4 = 8
doubles minus 1

doubles minus 1

doubles minus 1

An addition fact with a double to add and then subtract one.
doubles plus 1

An addition fact with a double to add and then add one.

$4 + 5 = 9$
equal

3 + 1 is the same amount as 4.

equal

3 + 1 is the same amount as 4.

Having the same amount.
equal parts

equal parts

equal parts

Parts of an object or group that have been divided equally into pieces. (also known as equal shares)
equal shares

4 equal shares

Parts of an object or group that have been divided equally into pieces. (also known as equal parts)
equal sign

3 + 1 is the same amount as 4.

A symbol showing that one amount is the same as another.
(also known as is the same as)
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.
expression

6 + 3

no equal sign

A mathematical phrase without an equal sign.
A flat surface on a solid shape.
A group of related facts that use the same numbers.
(also known as related facts)
A false equation does not have the same value on each side of the equal sign.

THINK Are both sides equal?

No. It is false.
fewer

This group has fewer.

fewer

This group has fewer.

Smaller quantity or amount.
A word used when comparing three or more groups of objects.
A surface that is not curved.
fourth of

fourth of

fourth of

One of 4 equal parts.
fourths

The parts you get when you divide something into 4 equal parts.
greater than

greater than

5 > 3

Greater than is used to compare two numbers when the first number is larger than the second number.
half-circle

Half of a circle.
half hour

30 minutes = one half hour

A unit of time equal to 30 minutes.
One of 2 equal parts.
half past

half past

half past eight

half past eight

30 minutes after the hour.
The parts you get when you divide something into 2 equal parts.
A shape with 6 straight sides and 6 vertices.
A unit of time equal to 60 minutes.
hour hand

A short hand on a clock.
A number equal to 10 tens or 100 ones.
is the same as

is the same as

is the same as

3 + 1 is the same amount as 4.

The meaning of the equal sign. Having the same amount on each side of the equal sign. (also known as equal)
How long something is.
The distance from one point to another.
Less than is used to compare two numbers when the first number is smaller than the second number.

3 < 5
Less than can be used to describe an action to mentally subtract 10 from a given number.
A word used when comparing the length of two objects.
longest

A word used when ordering three or more objects by length.