
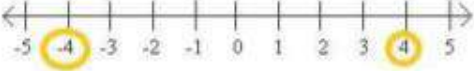


6th grade Math Vocabulary

Absolute Value	The number's distance from 0 on the number line.	$ -3 =3$
Greater Than	The symbol that means a number is greater than the second number.	$>$
Greatest to Least	To arrange numbers from greatest value to least.	9,8,7,6,5...
Increased	To become greater in value, degree	$2 + 1 = 3$


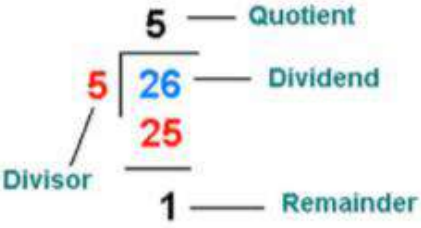

Inequality	Is a statement that two quantities are not equal	The symbols $<$ and $>$ are used to write inequalities
Integers	A member of the set of whole numbers and their opposites.	0,5,6,7,-5,-6,-7
Least to Greatest	To arrange numbers from least value to greatest.	1, 3, 6,7,10
Less Than	The symbol that means a number is less than the second number.	$<$


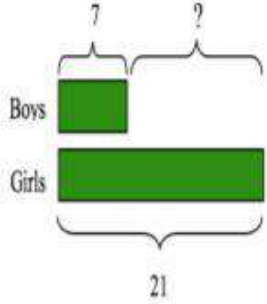

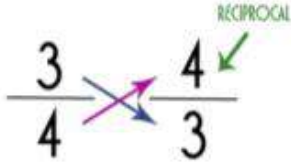
<p>Negative Numbers</p>	<p>Are numbers less than 0. Must always be written with a negative sign.</p>	<p>-3, -20, ...</p>
<p>Negative Sign</p>	<p>Sign used to indicate negative quantity or a subtraction.</p>	<p>—</p>
<p>Number Line</p>	<p>A line in which real numbers can be placed, according to their value.</p>	
<p>Opposites</p>	<p>Two numbers that are equal distance from zero on a number line.</p>	

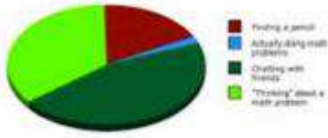
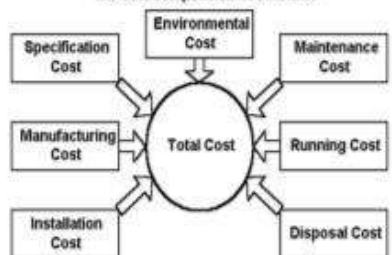
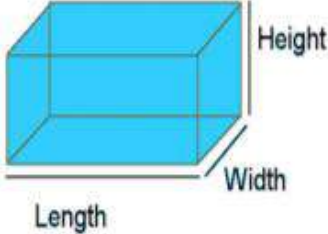
Positive Numbers	Numbers greater than zero. Written without a sign or with the sign +	4, +4,
Rate	A special ratio in which the two terms are in different units	1ft/12in
Rational Number	Any number that can be expressed as a ratio of two integers.	0, 2.23, $\frac{1}{4}$, -6, 9
Whole Numbers	The set of natural numbers and zero	0,1,2,3,4,5....


Decimal	A base 10 number that is written with a decimal point in it.	1.2, 0.34, 35.78
Denominator	The bottom number of a fraction that tells how many equal parts are in the whole.	$\frac{1}{2}$
Difference	The answer in a subtraction problem	$45 - 3 = 42$
Dividend	The number to be divided in a division problem.	$8 \div 4 = 2$

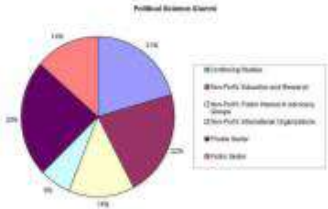
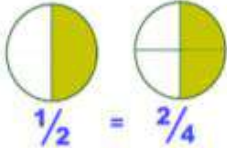
Divisor	The number you are dividing in a division problem	$8 \div 4 = 2$
Each	For, to or from each one.	4 apples <i>each</i>
Equal	When things are exactly the same in number, quality or amount.	=
Equal amount	The same in quantity	○○○=

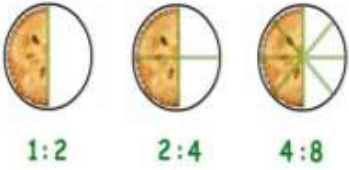

<p>Half</p>	<p>One of two equal parts of a whole</p>	
<p>Inverse Additive</p>	<p>The number in the set of real numbers that when added to a given number will yield zero</p>	$2 + (-2) = 0$
<p>Left</p>	<p>The remainder in a division</p>	
<p>Length</p>	<p>The linear extent from end to end, usually being the longest dimension.</p>	





<p>Mixed Number</p>	<p>A number made up of a whole number that is not zero and a fraction.</p>	
<p>Model</p>	<p>A mathematical representation of a situation.</p>	
<p>Numerator</p>	<p>The top number of a fraction that tells how many parts of a whole are being considered</p>	
<p>Reciprocal</p>	<p>One of two numbers whose product is 1</p>	


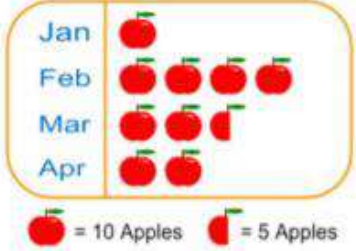
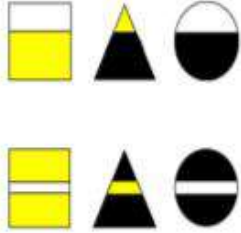
<p>Spent</p>	<p>Used up, finished, gone, consumed, expended</p>	<p>Time spent in Math class</p> 
<p>Total Cost</p>	<p>Total expense incurred, including all costs-direct and indirect.</p>	<p>The cost components of a window</p> 
<p>Width</p>	<p>The linear measurement of something side to side usually being the shortest dimension.</p>	 <p>Rectangular prism</p>

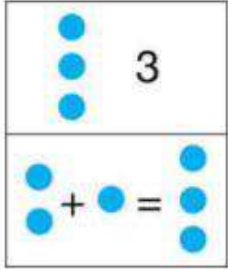
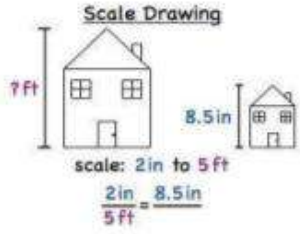
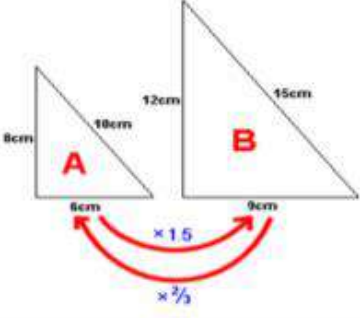
<p>Closest</p>	<p>Having the parts or elements near to one another</p>	<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">CLOSEST TO ZERO </p> <p>Goal: Player who ends game with the lowest sum of 4 cards wins.</p> <p>Skill: Number Sense, Addition</p> <p>Players: 2 - 4 Players</p> <p>Materials: Ace = 10 and Jack, Queen, King. Ace = 1, Jack, Queen, King = 11</p> </div>
<p>Colon</p>	<p>Symbol used to denote ratio</p>	<p style="text-align: center; font-size: 2em;">5:8</p>
<p>Conversion Factor</p>	<p>A number used to multiply or divide a quantity when converting from one system of units to another</p>	<div style="border: 2px solid orange; border-radius: 15px; padding: 10px;"> <p>Conversion factor:</p> <p>1 foot (ft) = 12 inches (in)</p> $3 \text{ feet (ft)} \times \frac{12 \text{ inches (in)}}{1 \text{ foot (ft)}} = 7$ </div>

<p>Data</p>	<p>Collection of facts, such as numbers, words, measurements...</p>	
<p>Equation</p>	<p>A mathematical sentence that shows that two expressions are equivalent</p>	$y = mx + b$
<p>Equivalent</p>	<p>Having the same value</p>	
<p>Equivalent Decimals</p>	<p>Decimals that name the same amount</p>	<p>0.2, 0.20, 0.200</p>

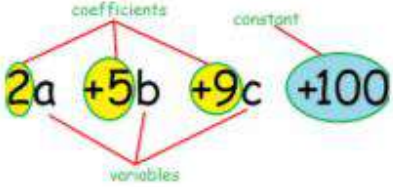
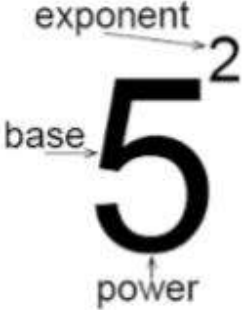
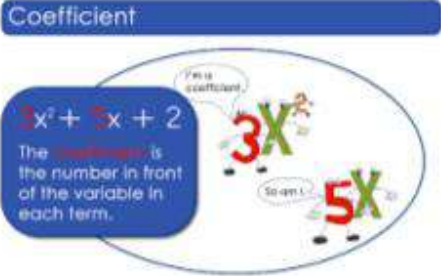

<p>Equivalent Ratios</p>	<p>Ratios that name the same comparison</p>	 <p>1:2 2:4 4:8</p>
<p>Fraction Bar</p>	<p>The line that separates the numerator and the denominator</p>	<p>Numerator → 3 Fraction Bar → $\frac{3}{4}$ =  Denominator → 4</p>

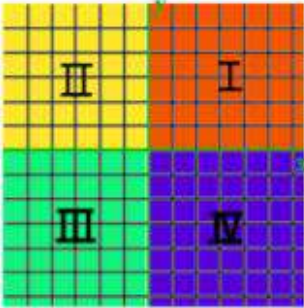


<p>Minimum</p>	<p>The smallest value</p>	
<p>More than</p>	<p>A quantifier meaning greater in size or amount or extent or degree.</p>	
<p>Out of</p>	<p>To indicate direction or movement from within to the outside of, beyond range.</p>	
<p>Per</p>	<p>For each</p>	


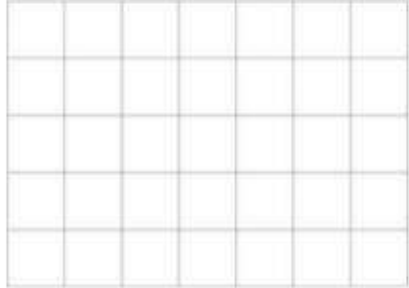
<p>Percentage</p>	<p>A rate, number, or amount in each hundred.</p>	
<p>Pictograph</p>	<p>A way of showing data using images</p>	
<p>Proportion</p>	<p>An equation that states that two ratios are equivalent.</p>	<p>Good Proportion</p> 
<p>Ratio</p>	<p>The relationship between two numbers, denoted by division.</p>	<p>$1/2$</p>


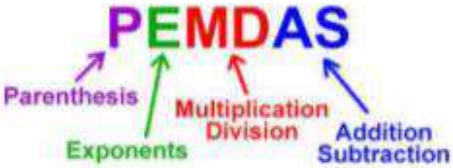
<p>Represent</p>	<p>Symbol to express or designate by some term, character, symbol,</p>													
<p>Scale Drawing</p>	<p>A drawing that uses a scale to make an object proportionally smaller than or larger than the real object.</p>													
<p>Scale Factor</p>	<p>The ratio of any two corresponding lengths in two similar geometric figures</p>													
<p>Table</p>	<p>An organized way of listing data in rows and columns.</p>	<table border="1" data-bbox="1110 1205 1442 1465"> <thead> <tr> <th>Input</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>A</td> </tr> <tr> <td>4</td> <td>3</td> </tr> <tr> <td>6</td> <td>B</td> </tr> <tr> <td>8</td> <td>7</td> </tr> <tr> <td>10</td> <td>9</td> </tr> </tbody> </table>	Input	Output	2	A	4	3	6	B	8	7	10	9
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4	3													
6	B													
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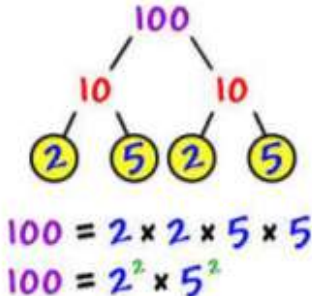
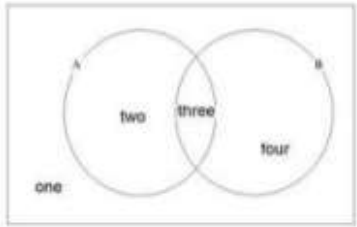
<p>Term</p>	<p>The parts of an expression that are added or subtracted.</p>	<p>Expression</p> $\underbrace{4x - 7 = 5}_{\text{Terms}}$
<p>Total</p>	<p>The whole number or amount of something.</p>	

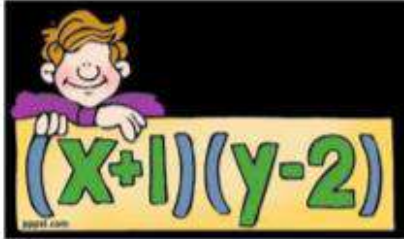
<p>Algebraic Expression</p>	<p>An expression that contains at least one variable</p>	
<p>Base</p>	<p>When a number is raised to a power, the number that is used as a factor is the base</p>	
<p>Coefficient</p>	<p>The number that is multiplied by the variable in an algebraic expression.</p>	
<p>Constant</p>	<p>Is a number on its own</p>	

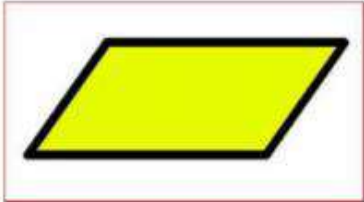
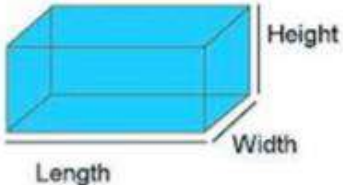
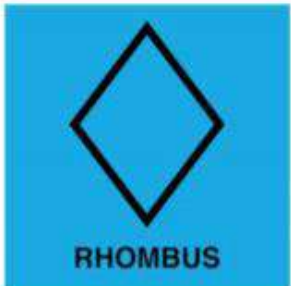
<p>Coordinate Grid</p>	<p>A plane formed by the intersection of a horizontal number line called the x-axis and a vertical number line called the y-axis.</p>	
<p>Decreased</p>	<p>to diminish or lessen in extent, quantity, strength, power, etc.:</p>	
<p>Equal</p>	<p>When two things are equal they are exactly the same in number, quality, or amount.</p>	<p>2 + 2 = 4</p>
<p>Equivalent Expression</p>	<p>Equivalent expressions have the same value for all values of the variables.</p>	 <p>$\frac{1}{4} = \frac{2}{8} = \frac{4}{16}$</p>

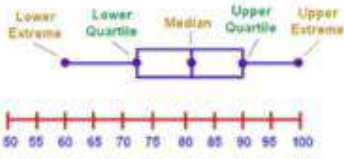
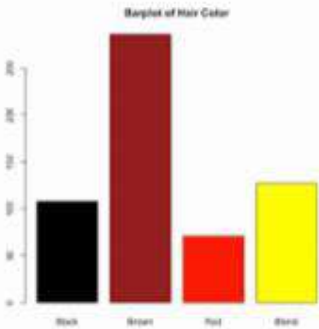

Evaluating	To find the value of a numerical or algebraic expression.	<p>Evaluate $2x + 7$ for $x = 3$.</p> $2x + 7$ $2(3) + 7$ $6 + 7$ 13
Exponent	<p>is a <u>power</u> that a number is raised to. For example, in 2^3, the exponent is 3.</p>	
Expression	A mathematical phrase that contains operations, numbers, and/or variables	$6x + 1$
Grid	a network of horizontal and vertical lines, for locating points	

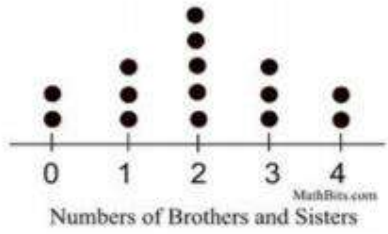
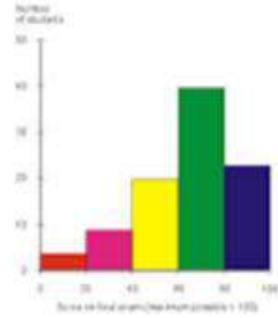
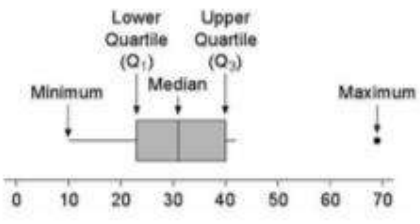
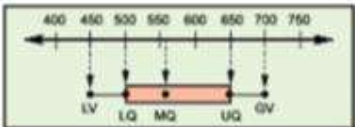
<p>Half of</p>	<p>one of two equal or approximately equal parts of a divisible whole, as an object, or unit of measure or time; a part of a whole equal or almost equal to the remainder.</p>	<p>Color in one-half of the pizza.</p> 
<p>Like Terms</p>	<p>like terms Terms with the same variables raised to the same exponents.</p>	<p>$3a^2b^2$ and $7a^2b^2$</p>
<p>Numerical Expression</p>	<p>numerical expression An expression that contains only numbers and operations.</p>	<p>$(2 \cdot 3) + 1$</p>
<p>Order of Operations</p>	<p>A rule for evaluating expressions: first perform the operations in parentheses, then compute powers and roots, then perform all multiplication and division from left to right, and then perform all addition and subtraction from left to right.</p>	

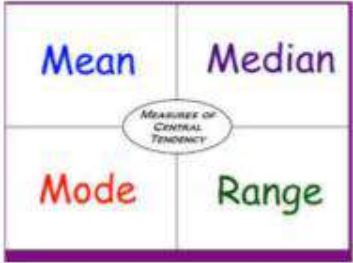
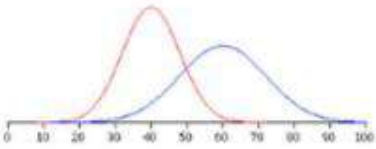
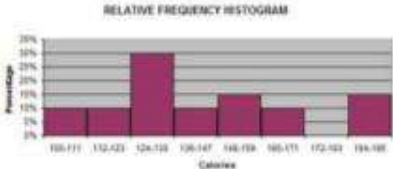

<p>Power</p>	<p>A number produced prime factorization A number written as the product of its prime factors. by raising</p>	$2^3 = 2 * 2 * 2 = 8$
<p>Prime Factorization</p>	<p>A number written as the product of its prime factors.</p>	 <p> $100 = 2 \times 2 \times 5 \times 5$ $100 = 2^2 \times 5^2$ </p>
<p>Relationship</p>	<p>The connection between two sets of mathematical objects such as numbers or points.</p>	
<p>Repeated Multiplication</p>	<p>Repeated multiplication of a real number by itself</p>	$8 \times 8 \times 8 \times 8$


Simplified Expression	To write a fraction or expression in simplest form.	<p>Collect like terms</p> $\underline{4a} + \underline{5} + \underline{2a} - \underline{3}$ $= 6a + 2$
Two times as many	Double the amount or Times two	<p>two</p> $1 \times 2 = 2$ $2 \times 2 = 4$ $3 \times 2 = 6$
Variable	A symbol used to represent a quantity that can change.	

<p>Parallelogram</p>	<p>A quadrilateral with two pairs of parallel sides</p>	
<p>Rectangular prism</p>	<p>A polyhedron whose bases are rectangles and whose other faces are rectangles</p>	 <p>Rectangular prism</p>
<p>Rhombus</p>	<p>A parallelogram with all sides congruent.</p>	

<p>Average</p>	<p>The sum of the items in a set of data divided by the number of items in the set; also called mean.</p>	<p>Data set: 4, 6, 7, 8, 10 Average: $4 + 6 + 7 + 8 + 10 / 5 = 35 / 5 = 7$</p>
<p>Box Plot</p>	<p>A graph that shows how data are distributed by using the median, quartiles, least value, and greatest value; also called a box-and whisker plot.</p>	
<p>Categorical Data</p>	<p>Data that consists of non numeric information.</p>	
<p>Data</p>	<p>Facts and statistics collected together for reference or analysis.</p>	

<p>Dot Plot</p>	<p>A visual display in which each piece of data is represented by a dot above a number line.</p>	
<p>Histogram</p>	<p>A bar graph that shows the frequency of data within equal intervals.</p>	
<p>Interquartile Range</p>	<p>(IQR) The difference of the third (upper) and first (lower) quartiles in a data set, representing the middle half of the data.</p>	
<p>Lower Quartile</p>	<p>Is the median of the lower half of a set of data.</p>	 <p>LV - LEAST VALUE GV - GREATEST VALUE LQ - LOWER QUARTILE UQ - UPPER QUARTILE MQ - MIDDLE QUARTILE</p>

<p>Measure of Center</p>	<p>A measure used to describe the middle of a data set. Also called measure of central tendency</p>	
<p>Measure of Spread</p>	<p>A measure that describes how far apart the data are distributed.</p>	
<p>Relative Frequency</p>	<p>The ratio of the number of times an event or data value occurs and the total number of events or data values.</p>	
<p>Statistical Question</p>	<p>A question that has many different, or variable, answers.</p>	

<p>Survey</p>	<p>To gather information by individual samples so as to learn about the whole thing.</p>	
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Deposit

A sum of money placed or kept in a bank account, usually to gain interest.



Withdrawal

An act of taking money out of an account.

