

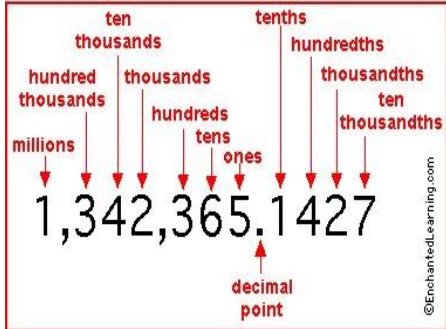

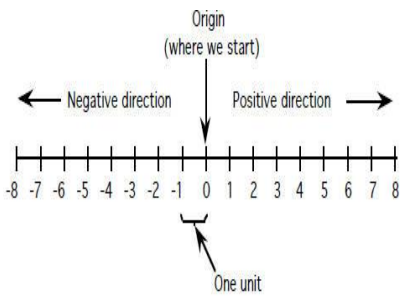


# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Topic 1		
Word	Definition	Picture
value	The place of a digit in a number tells the value	
digit	The symbols of 0,1,2,3,4,5,6,7,8, and 9 used to write numbers	
standard form	A number written with one digit for each place value	
expanded form	A way to write numbers that shows the value of each digit	

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

word form	A number written in words.	Five thousand , three hundred eighteen
decimal point	The dot used to separate the ones place from the tenths place in a decimal number	$2.8$ $\wedge$
equivalent decimal	Decimals that name the same amount	$0.7=0.70$
positive rational	A positive rational is a number that can be written as a simple fraction (i.e. as a <b>ratio</b> ). And a positive number	

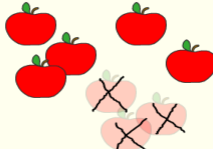

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

compare(< > or=)	To examine for likenesses and differences	<div> <h3>Comparing Fractions</h3> <math display="block">\frac{3}{4} &lt; \frac{5}{6}</math> <p>Possible Solutions:</p> <ol style="list-style-type: none"> <li>1. Cross-Multiply (Cross-Products)</li> <li>2. Change to decimals</li> <li>3. Change to common denominator</li> </ol> <div> <div> <div>1</div> <math display="block">\frac{18}{4} &lt; \frac{20}{6}</math> <div>Compare Products</div> </div> <div> <div>2</div> <math display="block">\frac{3}{4} = 0.750</math> <math display="block">\frac{5}{6} = 0.833</math> <div>Compare Decimals</div> </div> <div> <div>3</div> <math display="block">\frac{9}{12} &lt; \frac{10}{12}</math> <div>Compare Numerators</div> </div> </div> </div>
order	A customary mode of procedure ; a way of doing things	<div> <h3>Sequence:</h3> <math display="block">3, 5, 7, 9, \dots</math> <div> <div>1st term</div> <div>2nd term</div> <div>3rd term</div> <div>4th term</div> </div> <p>three dots means goes on forever (infinite)</p> <p>("term", "element" or "member" mean the same thing)</p> </div>

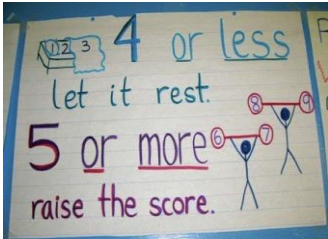
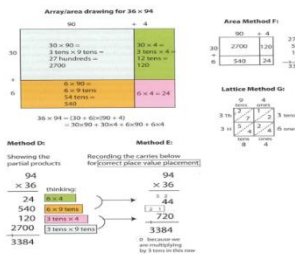
# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Topic 2		
Word	Definition	Picture
composite numbers	A whole number greater than 1 with more than two factors.	<p><b>Characteristics</b> Numbers that get along Multiples</p> <p><b>Definition</b> Pairs of numbers that make it easier to add, subtract, multiply and divide</p> <p><b>Examples</b> 3, 6, 9, 12, 15, 18, 21, 24, 27, 30 Or: 398 + 207 is sorta like 400 + 200 (right?) estimated answer = 600 Or: 6,298 divided by 84 is sorta like 6,400 divided by 80 estimated answer = 80</p> <p><b>Non-Example</b> 13, 28, 72, 91</p>
compensation	Adjusting a number to make a computation easier and balancing the adjustment by changing another number.	<p>Created by Shelley Gray</p>
Commutative Property of Addition	<b>Addition:</b> numbers can be added in any order and the sum remains the same.	$3 + 2 = 2 + 3$ $3 + 6 + 9 = 6 + 3 + 9 = 9 + 6 + 3$
standard algorithm	A common way of writing a problem.	<p><b>Array/area drawing for <math>36 \times 94</math></b></p> <p><b>Method D:</b></p> <p><b>Method E:</b></p> <p><b>Method F:</b></p> <p><b>Method G:</b></p>

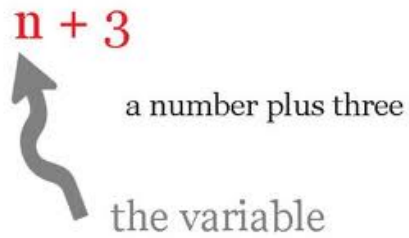
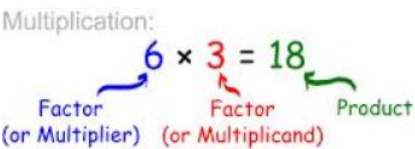
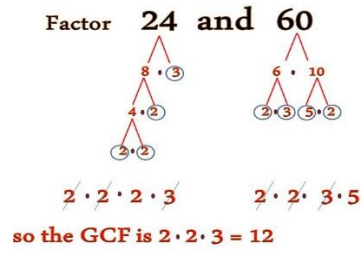
# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

subtraction/difference	The result of subtracting one number from another.	 $8 - 3 = 5$
addition/sum	The result of adding two or more addends.	<p>Addition:</p>  $8 + 3 = 11$
compatible number	Numbers that are easy to compute with mentally	<div style="border: 2px solid black; padding: 10px; width: fit-content; margin: auto;"> <math display="block">23 + 74</math> <p>Compatible</p> <math display="block">25 + 75 = 100</math> </div>
Associative Property of Addition	Addends can be regrouped and the sum remains the same	$1 + (3 + 5) = (1 + 3) + 5$

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Topic 3		
Word	Definition	Picture
round	A process that determines which multiple of 10,100,1000, and so on, a number is closest to.	
underestimate	An estimate that is less than the actual answer.	$\begin{array}{r} \$36.23 \\ + \$63.44 \\ \hline \end{array} \rightarrow \begin{array}{r} \$36.20 \\ + \$63.40 \\ \hline \end{array}$ $\$99.67 \quad \$99.60 < \$99.67$ <p>\$99.60 is under</p>
overestimate	An estimate that is greater than the actual answer.	$\begin{array}{r} \$57.65 \\ + \$43.31 \\ \hline \end{array} \rightarrow \begin{array}{r} \$57.70 \\ + \$43.30 \\ \hline \end{array}$ $\$100.96 \quad 101.00 > \$100.96$
partial estimate	To give some of an approximate value rather than an exact answer.	

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

variable	A letter such as <b>n</b> , that represents a number in an expression or an equation.	 <p><b>n + 3</b></p> <p>a number plus three</p> <p>the variable</p>
product	The number that is the result of multiplying two or more factors.	 <p>Multiplication:</p> <p><b>6 × 3 = 18</b></p> <p>Factor (or Multiplier)    Factor (or Multiplicand)    Product</p>
factor	Numbers that are multiplied to get a product.	<p><b>8 × 4 = 32</b></p>
greatest common factor	The largest number that is a factor or divides two or more numbers is called the <b>greatest common factor</b> or <b>GCF</b> .	 <p>Factor <b>24</b> and <b>60</b></p> <p>24 = 8 × 3 8 = 4 × 2 4 = 2 × 2 24 = 2 × 2 × 2 × 3</p> <p>60 = 6 × 10 6 = 2 × 3 10 = 2 × 5 60 = 2 × 2 × 3 × 5</p> <p>so the <b>GCF</b> is <b>2 × 2 × 3 = 12</b></p>


# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

least common factor	<b>LCM is the smallest multiple that two or more numbers have in common.</b>	<p><u>Example A:</u> What is the LCM of 20, 40 and 60.</p> <p>Multiples of 20 are: 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240 .....</p> <p>Multiples of 40 are: 40, 80, 120, 160, 200, 240, 280, 320.....</p> <p>Multiples of 60 are: 60, 120, 180, 240, 300.....</p> <p>We notice that 120 and 240 are both multiples of all the numbers, but we want the LCM or the smallest so 120 is the LCM.</p>
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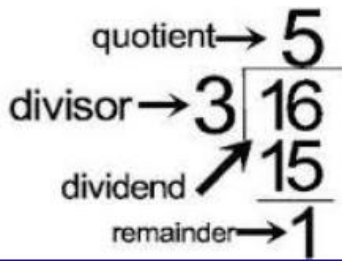
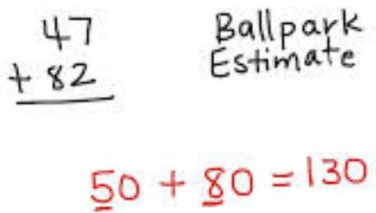



# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

## Topic 4 -5 - 6

Word	Definition	Picture
division	An operation to find the number in each group or the number of equal groups	 $6 \div 3 = 2$
divisor	The number by which another number is divided	<div> <div>Dividend <math>\div</math> Divisor = Quotient</div> <div> <div>Quotient</div> <div>Divisor ) Dividend</div> </div> </div>
dividend	The number to be divided.	<div> <div>6 — quotient</div> <div>4 <math>\overline{) 24}</math> — dividend</div> <div>↑</div> <div>divisor</div> </div>
quotient	The answer to a division problem.	<div> <div>Dividend <math>\div</math> Divisor = Quotient</div> <div> <div>Quotient</div> <div>Divisor ) Dividend</div> </div> </div>

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

remainder	The amount that is left after dividing a number into equal parts.	
estimate	To give an approximate value rather than an exact answer.	
fluency	Quickly and accurately	
reasonableness	agreeable to <u>reason</u> or sound judgment; logical:	<p>After solving a problem, go back and check your answer in the problem.</p> <p>Does your answer make sense?</p>

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

## Topic 7

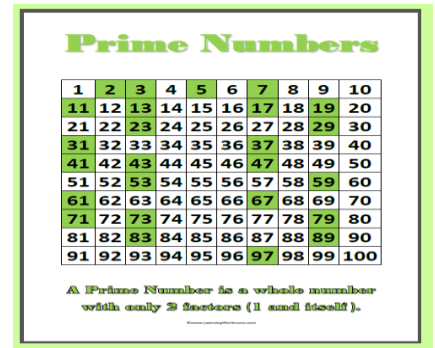
### Word

### Definition

### Picture

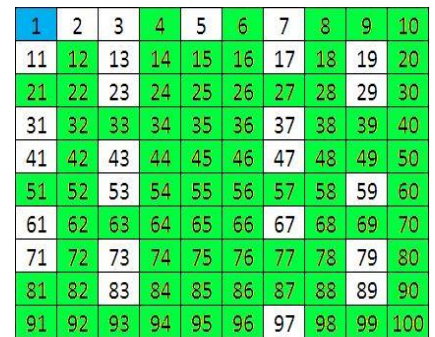
Prime number

A whole number greater than 1 that has exactly two factors, itself and 1.



Composite number

A whole number greater than 1 with more than two factors.



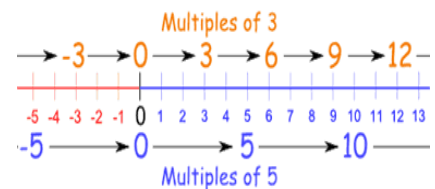
algebraic form

A mathematical phrase involving a variable or variables, numbers , and operations.

$$Y=x+a$$

multiples

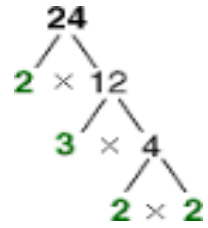
The product of a given whole number and any other whole number.



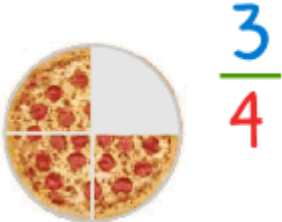
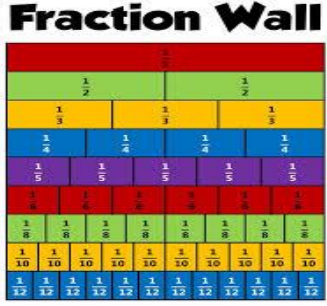
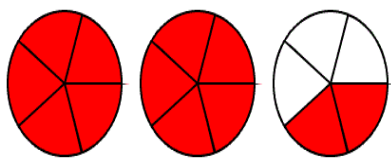
## 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

factor tree

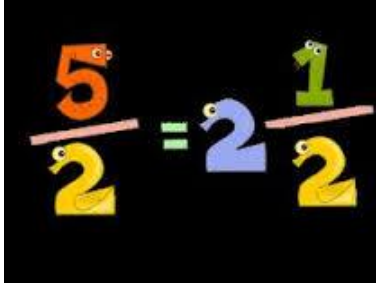
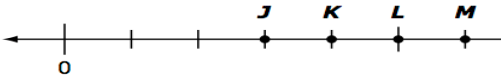




A structure used to find the [prime factorization](#) of a [positive integer](#).



# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

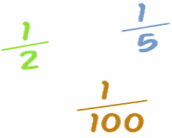
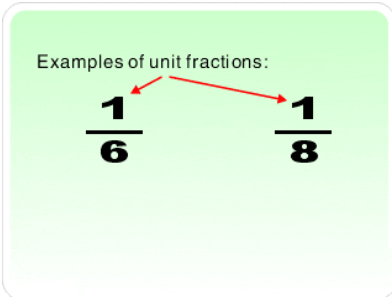
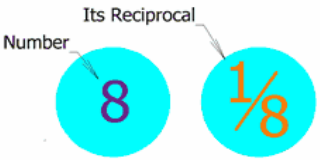
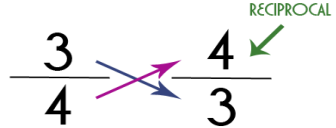
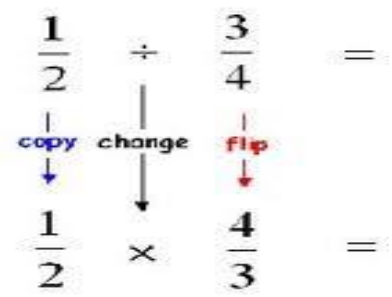
Topic 8		
Word	Definition	Picture
fraction	Part of a whole	
proper fraction	<p>Smaller → <math>\frac{3}{5}</math></p> <p>Larger → <math>\frac{3}{5}</math></p> <p>A proper fraction is a fraction where the numerator (the top number) is less than the denominator (the bottom number).</p>	
mixed fraction	<p>A whole number and a fraction combined into one "mixed" number.</p> <p>Example: <math>1\frac{1}{2}</math> (one and a half) is a mixed number.</p>	 <p>Mixed Form to Fraction Form.</p> $2 \frac{2}{5} = \frac{2 \times 5 + 2}{5} = \frac{12}{5}$

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

improper fraction	<p>Larger (or equal) → <math>\frac{9}{5}</math></p> <p>Smaller (or equal) → <math>\frac{5}{5}</math></p> <p>An improper fraction is a fraction where the numerator (the top number) is greater than or equal to the denominator (the bottom number). In other words, it is top-heavy.</p>	
benchmark fraction	Common fractions that you can judge other numbers against.	 <p>Between which 2 points is <math>\frac{7}{16}</math> located?</p> <p>A. J and K B. K and L C. L and M D. M and N</p>
numerator	 <p><b>Fraction Terms</b></p> <ul style="list-style-type: none"> <li>• <b>Numerator</b> (number of parts being thought of {the top number})</li> <li>• <b>Denominator</b> (number of <u>equal</u> parts whole is divided into {the bottom number})</li> </ul>	<p><b>Numerator</b></p> <p>1</p> <p>2</p> <p><b>Denominator</b></p> 
denominator	 <p><b>Fraction Terms</b></p> <ul style="list-style-type: none"> <li>• <b>Numerator</b> (number of parts being thought of {the top number})</li> <li>• <b>Denominator</b> (number of <u>equal</u> parts whole is divided into {the bottom number})</li> </ul>	 <p>3 ← Numerator</p> <p>4 ← Denominator</p>

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

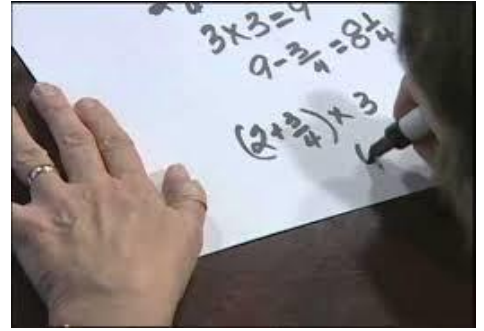
## Topic 9

Word	Definition	Picture
Unit fraction	 <p>Unit Fractions</p> <p>A fraction where the top number (the "numerator") is 1</p>	
reciprocal	 <p>The reciprocal of a number is: 1 divided by the number</p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• the reciprocal of 2 is 1/2 (half)</li> <li>• the reciprocal of 10 is 1/10 (=0.1)</li> </ul>	
Invert	The opposite	
Unlike denominator	Fractions with two or more different denominators	<p>the original fractions: <math>\frac{1}{3} + \frac{1}{2}</math></p> <p>with a common denominator: <math>\frac{2}{6} + \frac{3}{6}</math></p> <p>result: <math>\frac{5}{6}</math></p>

## 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Computation of  
fractions

The operation of solving a  
problem that involve  
fractions



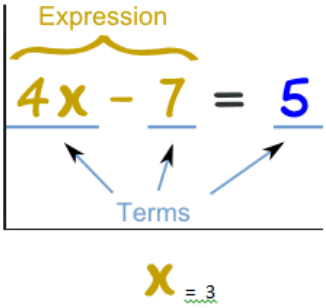


# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

## Topic 10

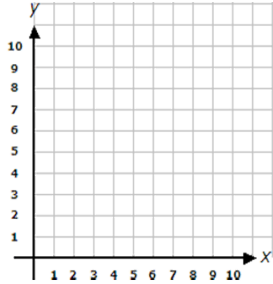
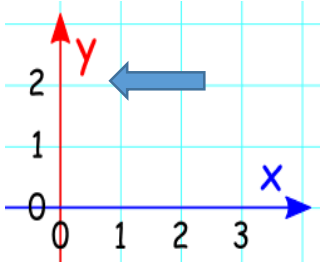
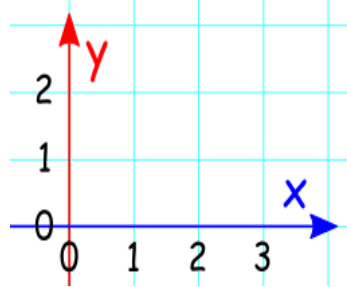
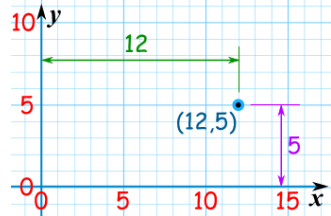
Word	Definition	Picture
Order of operations	<p>The rules that say which calculation comes first in an expression</p> <p>They are:</p> <ul style="list-style-type: none"> <li>do everything inside parentheses first: ()</li> <li>then do exponents, like <math>x^2</math></li> <li>then do multiplies and divides from left to right</li> <li>then do the adds and subtracts from left to right</li> </ul>	
Parentheses	The symbols (and) used to group numbers or variables in mathematical expressions	<p>Example: <math>(3 + 2) \times (6 - 4) = 5 \times 2 = 10</math></p> <p>The Parentheses group 3 and 2 together, and 6 and 4 together</p>
Numerical expression	A mathematical phrase that contains numbers and are at least one operation	<p>Note: Angle brackets can be confusing because they look like the "less than" and "greater than" signs.</p> <p><math>3 + 2 = 5</math></p> <p><math>10 \times 4 = 40</math></p> <p><math>6 - 2 = 4</math></p>
Brackets	The symbols [and] that are used to group number or variables in mathematical expressions.	

## 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Equation	A number sentence that uses an equal sign to show that two expressions have the same value.	Ex. $9 + 2 = 12$
Unknown	A symbol or letter, such as x, that represents a number in an expression or equation.	

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

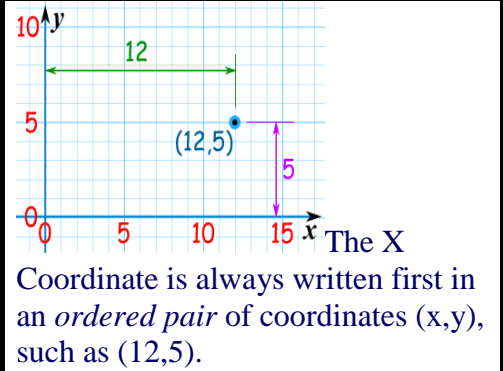
## Topic 11

Word	Definition	Picture
Coordinate grid	A grid that is used to plot and name points in a plane using an ordered pair of numbers.	
y-axis,	A vertical number line on a coordinate grid.	
x-axis	A horizontal number line on a coordinate grid.	
Origin ordered pair	The origin is represented where by the pair of numbers used to locate a point on a coordinate grid.	

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

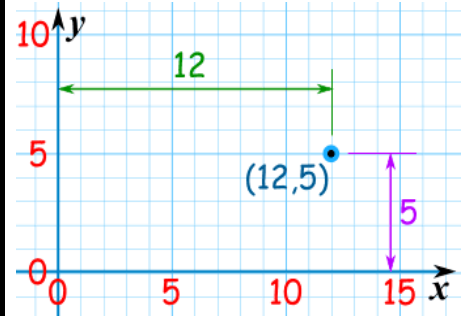
x-coordinate

The first number in an ordered pair, which names the distance to the right or left from the origin along the x-axis.



y-coordinate

The second number in an ordered pair, which names the distance up or down from the origin along the y-axis.



Additive pattern

A pattern in which corresponding values are related by addition.

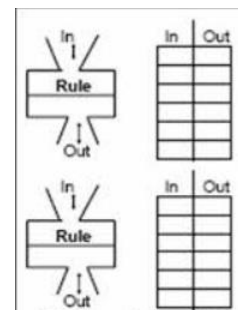
**Growing Patterns**

Directions: Fill in each blank with the correct number to continue the pattern.

1. 35, ____, 55, 65, 75, 85, 95	2. 10, 25, 40, ____, 70, 85
3. 25, ____, 75, 100	4. 7, 14, 21, ____, 35, 42, 49
5. 100, 90, 80, ____, 60, 50, 40	6. 1, 3, 6, 10, ____, 21, 28, 36
7. 23, 26, ____, 32, 35, 38	8. 24, 20, 16, ____, 8, 4
9. 2, 4, 6, ____, 10, 12, 14	10. 8, 16, 24, 32, ____, 48, 56

Input-output table

A table that uses a rule to relate one set of numbers to another set of numbers.



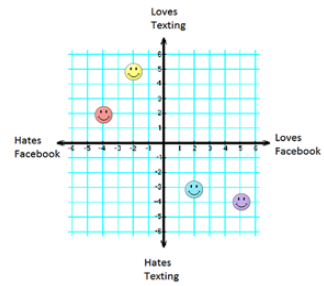
# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Multiplicative pattern	A pattern in which corresponding values are related by multiplication.	<table><tr><th colspan="12">Columns</th></tr><tr><th>×</th><th>0</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th></tr><tr><th>0</th><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><th>1</th><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><th>2</th><td>0</td><td>2</td><td>4</td><td>6</td><td>8</td><td>10</td><td>12</td><td>14</td><td>16</td><td>18</td><td>20</td></tr><tr><th>3</th><td>0</td><td>3</td><td>6</td><td>9</td><td>12</td><td>15</td><td>18</td><td>21</td><td>24</td><td>27</td><td>30</td></tr><tr><th>4</th><td>0</td><td>4</td><td>8</td><td>12</td><td>16</td><td>20</td><td>24</td><td>28</td><td>32</td><td>36</td><td>40</td></tr><tr><th>5</th><td>0</td><td>5</td><td>10</td><td>15</td><td>20</td><td>25</td><td>30</td><td>35</td><td>40</td><td>45</td><td>50</td></tr><tr><th>6</th><td>0</td><td>6</td><td>12</td><td>18</td><td>24</td><td>30</td><td>36</td><td>42</td><td>48</td><td>54</td><td>60</td></tr><tr><th>7</th><td>0</td><td>7</td><td>14</td><td>21</td><td>28</td><td>35</td><td>42</td><td>49</td><td>56</td><td>63</td><td>70</td></tr><tr><th>8</th><td>0</td><td>8</td><td>16</td><td>24</td><td>32</td><td>40</td><td>48</td><td>56</td><td>64</td><td>72</td><td>80</td></tr><tr><th>9</th><td>0</td><td>9</td><td>18</td><td>27</td><td>36</td><td>45</td><td>54</td><td>63</td><td>72</td><td>81</td><td>90</td></tr><tr><th>10</th><td>0</td><td>10</td><td>20</td><td>30</td><td>40</td><td>50</td><td>60</td><td>70</td><td>80</td><td>90</td><td>100</td></tr></table>	Columns												×	0	1	2	3	4	5	6	7	8	9	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	3	4	5	6	7	8	9	10	2	0	2	4	6	8	10	12	14	16	18	20	3	0	3	6	9	12	15	18	21	24	27	30	4	0	4	8	12	16	20	24	28	32	36	40	5	0	5	10	15	20	25	30	35	40	45	50	6	0	6	12	18	24	30	36	42	48	54	60	7	0	7	14	21	28	35	42	49	56	63	70	8	0	8	16	24	32	40	48	56	64	72	80	9	0	9	18	27	36	45	54	63	72	81	90	10	0	10	20	30	40	50	60	70	80	90	100
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Intersection	Lines that have one and only one point in common.																																																																																																																																																													
Parallel	In a plane , lines that never cross and stay the same distance apart.																																																																																																																																																													
Perpendicular lines	Two lines that intersect to form square corners or right angles.																																																																																																																																																													

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

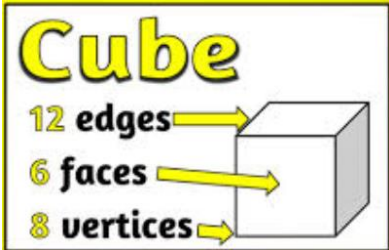
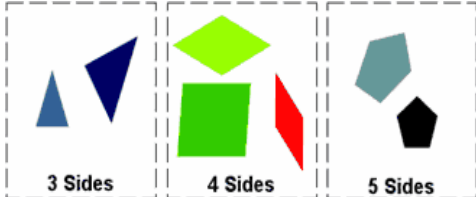
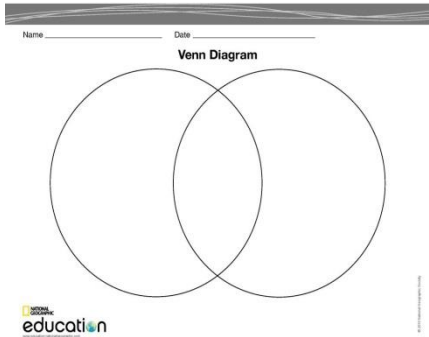
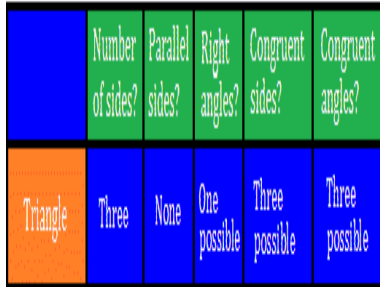
Quadrant

One of the quarters of the plane of the Cartesian coordinate system

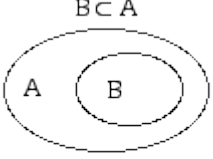
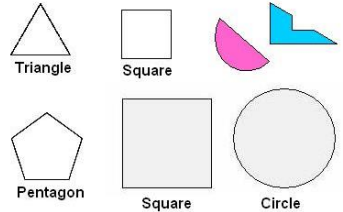
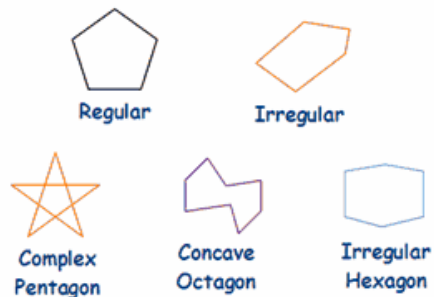
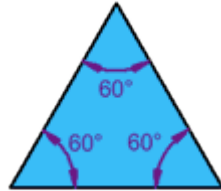


# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

## Topic 12

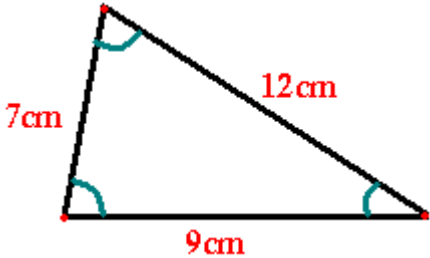
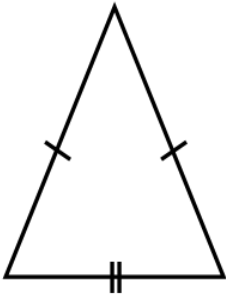
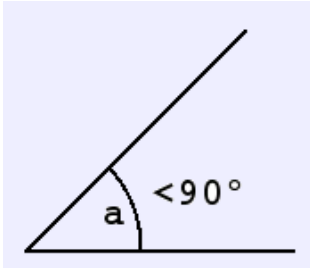
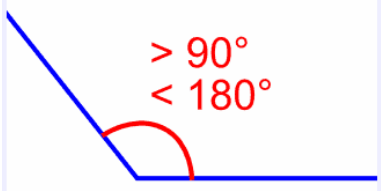
Word	Definition	Picture
Attribute	A characteristic of a shape.	
Classify	To arrange in groups, by some property.	
Graphic organizers	Graphic organizers are useful tools for building knowledge and organizing information. Use graphic organizers to help in problem-solving, decision-Graphic organizers are useful tools for building knowledge and organizing information. Use graphic organizers to help in problem-solving, decision-	
Properties	A character or attribute that something has.	

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

<p>Sub sets</p>	<p><u>Set</u> A is a subset of set B if all of the <u>elements</u> (if any) of set A are contained in set B. This is written <math>A \subset B</math>.</p> <p>Note: The <u>empty set</u> is a subset of every set.</p>	<p><math>B \subset A</math></p>  <p>Example: <math>\{a, b, c\} \subset \{a, b, c, d\}</math></p>
<p>Two dimensional figures</p>	<p>A shape that only has two dimensions (such as width and length) and no thickness (height).</p>	 <p>Triangle Square Circle Pentagon Square Circle</p>
<p>Polygons</p>	<p>A closed plane figure made up of line segments.</p>	 <p>Regular Irregular Complex Pentagon Concave Octagon Irregular Hexagon</p>
<p>Equilateral triangle</p>	<p>A triangle whose sides all have the same length.</p>	



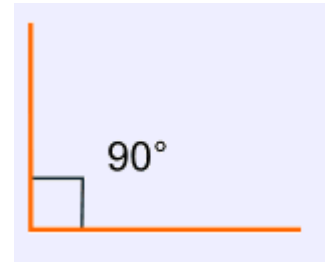
## 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Scalene triangle	A triangle in which no sides have the same length.	
Isosceles triangle	A triangle with two sides of the same length.	
Acute triangle	A triangle whose angles are all acute triangle	
Obtuse triangle	A triangle in which one angle is an obtuse angle.	

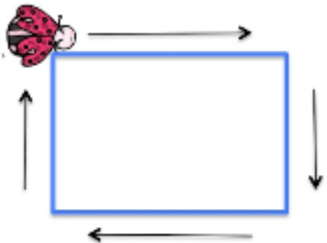
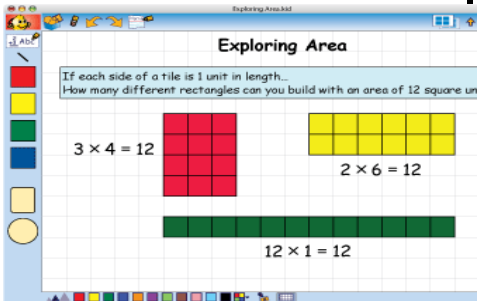
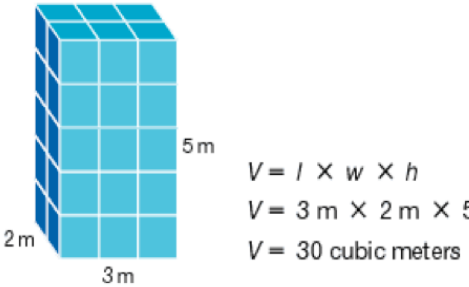
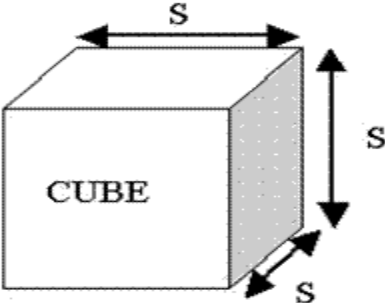
## 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Right triangle

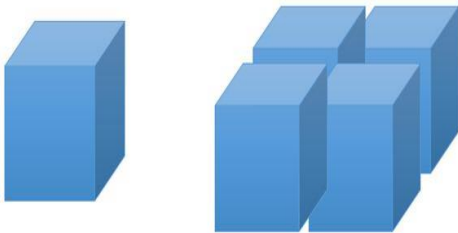
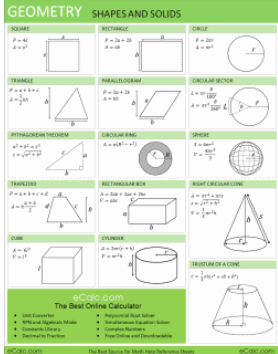
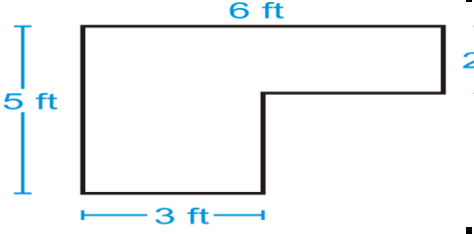
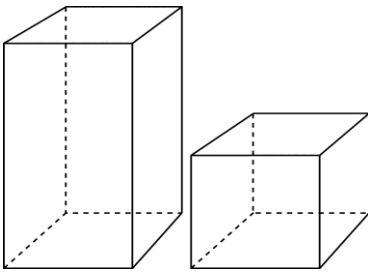
A triangle in which one angle is a right angle.



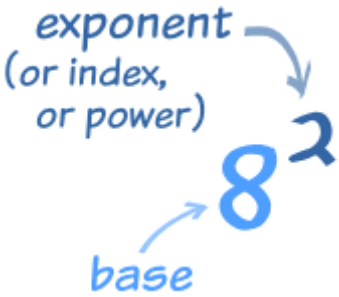
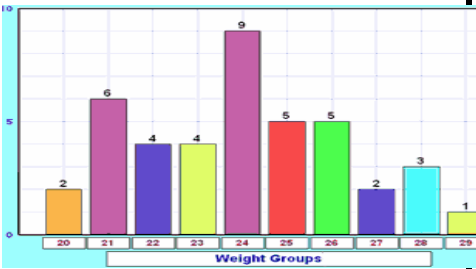
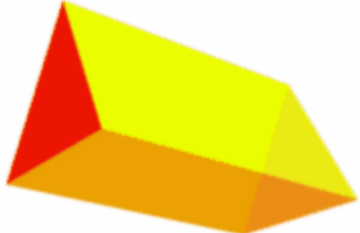
# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Topic 13		
Word	Definition	Picture
Perimeter	The distance around a figure.	
Area	The number of square units needed to cover a surface or figure.	
Volume	The number of cubic units needed to fill a solid figure.	
Cube	A solid figure with six identical squares as its faces.	

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Cubic unit	The volume of a cube that measures 1 unit on each edge.	 <p>Unit Cube      Group of 4 Unit Cubes</p>
Formula	A rule that uses symbols to relate two or more quantities	
Composite shape	A figure made up to two or more shapes.	
Rectangular prism	A solid figure with 6 rectangles faces.	

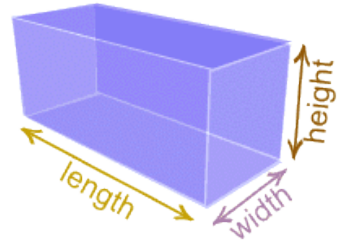
# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Exponent	A number that indicates the operation of repeated multiplication.	
Graph	A type of drawing used to represent data.	
Numerical expression	A mathematical phrase that contains numbers and at least one operation.	$325 \times 25 =$
Prism	<p>A solid object with two identical ends and flat sides:</p> <ul style="list-style-type: none"> <li>• The sides are parallelograms (4-sided shape with opposite sides parallel)</li> <li>• The cross section is the same all along its length</li> </ul> <p>The shape of the ends give the prism a name, such as "triangular prism"</p>	

## 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words


Three dimensional  
figure

An object that has height,  
width and depth, like any  
object in the real world.



# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

## Topic 14

Word	Definition	Picture																																																			
Conversion	a change in the form of a measurement, different units(same system of measurement), without a change in the size or amount	$1\text{ km} = 1,000\text{ m}$ $2.3 \times 1,000 = 2300\text{ km}$																																																			
Customary measurement	The main <b>system</b> of weights and measures used in the United States and a few other countries. Also known as Standard system.	<p>Customary Units Chart</p> <table><tr><th>Length</th><th>Weight</th><th>Capacity</th><th>Time</th></tr><tr><td>12 in = 1 ft</td><td>16 oz = 1 lb</td><td>128 fl oz = 1 gal</td><td>60 sec = 1 min</td></tr><tr><td>3 ft = 1 yrd</td><td>2000 lb = 1 ton</td><td>2 pt = 1 qt</td><td>60 min = 1 hr</td></tr><tr><td>5,280 ft = 1 mi</td><td></td><td>8 pt = 1 gal</td><td>24 hr = 1 day</td></tr><tr><td>1,760 yrd = 1 mi</td><td></td><td>4 qt = 1 gal</td><td>7 days = 1 wk</td></tr><tr><td></td><td></td><td></td><td>52 wk = 1 yr</td></tr><tr><td></td><td></td><td></td><td>12 mon = 1 yr</td></tr><tr><td></td><td></td><td></td><td>365 days = 1 yr</td></tr></table>	Length	Weight	Capacity	Time	12 in = 1 ft	16 oz = 1 lb	128 fl oz = 1 gal	60 sec = 1 min	3 ft = 1 yrd	2000 lb = 1 ton	2 pt = 1 qt	60 min = 1 hr	5,280 ft = 1 mi		8 pt = 1 gal	24 hr = 1 day	1,760 yrd = 1 mi		4 qt = 1 gal	7 days = 1 wk				52 wk = 1 yr				12 mon = 1 yr				365 days = 1 yr																			
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Metric measurement	the decimal measuring system based on the meter, liter, and gram as units of length, capacity, and weight	<table><tr><th colspan="3">LENGTH</th></tr><tr><th>Standard</th><th></th><th>Metric</th></tr><tr><td>inch</td><td>centimeters (cm)</td><td>millimeter</td></tr><tr><td>foot</td><td></td><td>centimeter</td></tr><tr><td>yard</td><td>centimeters (cm)</td><td>meter</td></tr><tr><td>mile</td><td>centimeters (cm)</td><td>kilometer</td></tr></table> <table><tr><th colspan="3">WEIGHT</th></tr><tr><th>Standard</th><th></th><th>Metric</th></tr><tr><td>ounce</td><td>centimeters (cm)</td><td>gram</td></tr><tr><td>pound</td><td>centimeters (cm)</td><td>kilogram</td></tr><tr><td>ton</td><td></td><td></td></tr></table> <table><tr><th colspan="3">CAPACITY / VOLUME</th></tr><tr><th>Standard</th><th></th><th>Metric</th></tr><tr><td>ounce</td><td>centimeters (cm)</td><td>milliliter</td></tr><tr><td>cup</td><td>centimeters (cm)</td><td></td></tr><tr><td>quart</td><td>centimeters (cm)</td><td>liter</td></tr><tr><td>gallon</td><td></td><td></td></tr></table>	LENGTH			Standard		Metric	inch	centimeters (cm)	millimeter	foot		centimeter	yard	centimeters (cm)	meter	mile	centimeters (cm)	kilometer	WEIGHT			Standard		Metric	ounce	centimeters (cm)	gram	pound	centimeters (cm)	kilogram	ton			CAPACITY / VOLUME			Standard		Metric	ounce	centimeters (cm)	milliliter	cup	centimeters (cm)		quart	centimeters (cm)	liter	gallon		
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Units of Length		<table><tr><th colspan="2">LENGTH</th></tr><tr><th>Metric</th><th>Customary</th></tr><tr><td>1 kilometer = 1000 meters</td><td>1 mile = 1760 yards</td></tr><tr><td>1 meter = 100 centimeters</td><td>1 mile = 5280 feet</td></tr><tr><td>1 centimeter = 10 millimeters</td><td>1 yard = 3 feet</td></tr><tr><td></td><td>1 foot = 12 inches</td></tr></table> <p>MathATube.com Together we'll learn</p>	LENGTH		Metric	Customary	1 kilometer = 1000 meters	1 mile = 1760 yards	1 meter = 100 centimeters	1 mile = 5280 feet	1 centimeter = 10 millimeters	1 yard = 3 feet		1 foot = 12 inches																																							
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# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

## Units of Capacity

The amount that something can hold.

Usually it means volume, such as milliliters (ml) or liters (l) in Metric, or pints or gallons in Imperial.



## Units of Weight

Even though weight and mass are different things, weight often uses the units of mass. For example grams, kilograms and, ton (Metric) or ounces and pounds.

### Customary Units of Weight

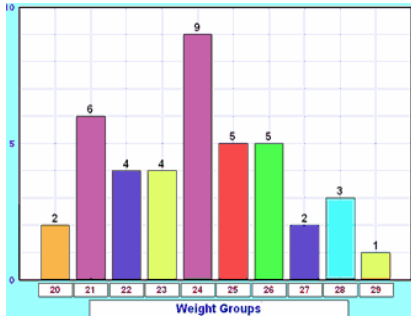

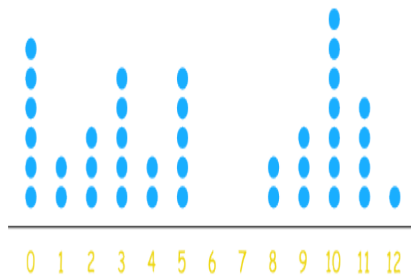
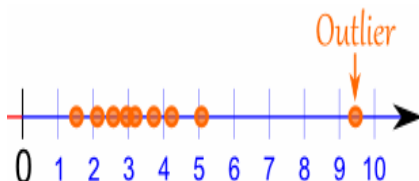
1 pound (lb) = 16 ounces (oz)

1 ton (T) = 2,000 pounds




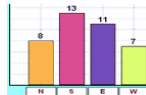
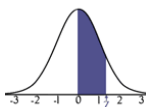


# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words


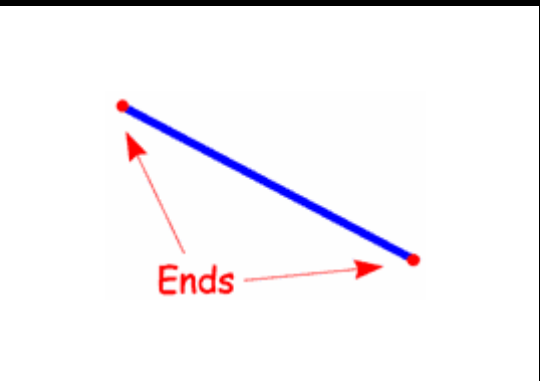

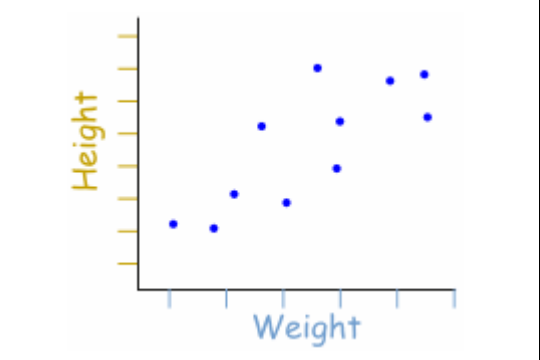
## Topic 15

Word	Definition	Picture																												
Bar Graph	<p>A graph drawn using rectangular bars to show how large each value is.</p> <p>The bars can be horizontal or vertical.</p>	 <table border="1"><caption>Bar Graph Data</caption><thead><tr><th>Weight Group</th><th>Frequency</th></tr></thead><tbody><tr><td>20</td><td>2</td></tr><tr><td>21</td><td>6</td></tr><tr><td>22</td><td>4</td></tr><tr><td>23</td><td>4</td></tr><tr><td>24</td><td>9</td></tr><tr><td>25</td><td>5</td></tr><tr><td>26</td><td>5</td></tr><tr><td>27</td><td>2</td></tr><tr><td>28</td><td>3</td></tr><tr><td>29</td><td>1</td></tr></tbody></table>	Weight Group	Frequency	20	2	21	6	22	4	23	4	24	9	25	5	26	5	27	2	28	3	29	1						
Weight Group	Frequency																													
20	2																													
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27	2																													
28	3																													
29	1																													
Point	<p>An exact location. It has no size, only position.</p> <p>Drag the points below (they are shown as dots so you can see them, but a point really has no size at all!)</p> <p>Points usually have a name, often a letter like "A" or "B" etc.</p>																													
Dot plot	<p>A graphical display of data using dots.</p>	 <table border="1"><caption>Dot Plot Data</caption><thead><tr><th>Value</th><th>Frequency</th></tr></thead><tbody><tr><td>0</td><td>3</td></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>1</td></tr><tr><td>3</td><td>2</td></tr><tr><td>4</td><td>2</td></tr><tr><td>5</td><td>2</td></tr><tr><td>6</td><td>0</td></tr><tr><td>7</td><td>0</td></tr><tr><td>8</td><td>1</td></tr><tr><td>9</td><td>1</td></tr><tr><td>10</td><td>4</td></tr><tr><td>11</td><td>2</td></tr><tr><td>12</td><td>1</td></tr></tbody></table>	Value	Frequency	0	3	1	1	2	1	3	2	4	2	5	2	6	0	7	0	8	1	9	1	10	4	11	2	12	1
Value	Frequency																													
0	3																													
1	1																													
2	1																													
3	2																													
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5	2																													
6	0																													
7	0																													
8	1																													
9	1																													
10	4																													
11	2																													
12	1																													
Outlier	<p>A value that "lies outside" (is much smaller or larger than) most of the other values in a set of data.</p>																													

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Numerical data	Data involving numbers including measurement data.	<p><i>"What sport do you play?"</i></p> <table><tr><th>Sport</th><th>People</th></tr><tr><td>Soccer</td><td>106</td></tr><tr><td>Tennis</td><td>45</td></tr><tr><td>Gymnastics</td><td>54</td></tr><tr><td>Swimming</td><td>82</td></tr><tr><td>Track</td><td>68</td></tr></table>	Sport	People	Soccer	106	Tennis	45	Gymnastics	54	Swimming	82	Track	68
Sport	People													
Soccer	106													
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Track	68													
Scale	A series of numbers at equal intervals along an axis on a graph.	<div></div> <div><p>Real Horse 1500 mm high</p><p>Drawn Horse 150 mm high</p></div>												
Data	Collected information	<div></div> <div><p><a href="#">Data Index</a></p><p><a href="#">Probability and Statistics Index</a></p><p><a href="#">Graphs Index</a></p></div>												
Frequency table	A table used to show the number of times each response occurs in a set of data	<p>Scores: 1,1,2,2,2,2,2,3,3,3,3,4,4,5</p> <table><tr><th>Score</th><th>Frequency</th></tr><tr><td>1</td><td>2</td></tr><tr><td>2</td><td>5</td></tr><tr><td>3</td><td>4</td></tr><tr><td>4</td><td>2</td></tr><tr><td>5</td><td>1</td></tr></table>	Score	Frequency	1	2	2	5	3	4	4	2	5	1
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1	2													
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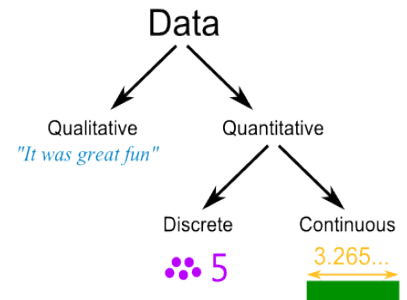
# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Sample	A representative part of a larger group.	 <p>A selection taken from a larger group (the "population") so that you can examine it to find out something about the larger group.</p>
Interval	The difference between consecutive numbers on an axis of a graph.	
Categorical data	Data that can be divided into groups.	
Scatterplot	A graph that shows paired data values.	

# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Discrete data

Data where only whole numbers are possible.



Survey

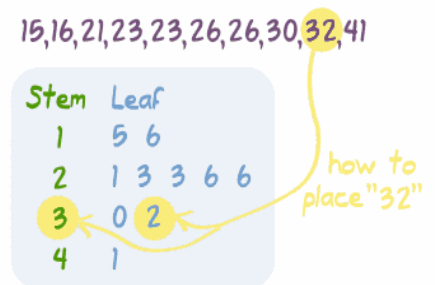
A question or questions used to gather information



Example: you could survey a river's water quality by taking a cupful of water from different random locations at different times.

Stem and leaf plot

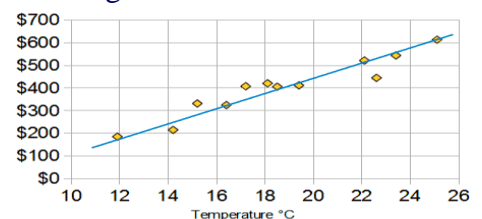
A way to organize numerical data using place value.



trend

A relationship between two sets of data that shows up as a pattern in a graph, including scatterplots.

A line on a graph showing the general direction that a group of points seem to be heading.



# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

## Topic 16

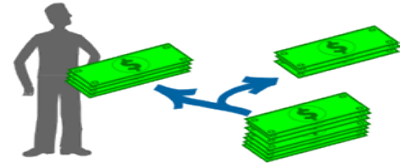
### Word

### Definition

### Picture

### Taxes

Money people pay to support the government.



Example: Alex earned \$300 but had to pay \$42 of that to the government as tax.

### Net income

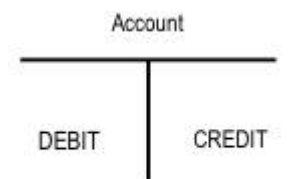
The amount of money a person receives after deductions are taken from gross income.

TABLE 33  
NET INCOME STATEMENT

Rental income	\$10,000
Less:	
Utilities	\$ 1,500
Property taxes	1,000
Management fee	500
Maintenance expenses	2,000
Interest	2,000
Depreciation	1,000
Income taxes	1,000
Subtotal	<u>9,000</u>
Net income	\$1,000

### Debit budget

Money taken out of a person's account



Debits on left side,  
Credits on the right side.

### Gross income

The total amount of money a person earns.



# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Deposit

Money put into a person's account.

ACCOUNT STATEMENT				Balance as of 4/30	100.00
Activity Detail					
Date	Description	Amount			
4/10	Deposit	10.00			
	Total deposits	10.00			
Withdrawals					
Date	Description	Amount			
4/12	ATM	25.00			
4/15	ATM	15.00			
4/20	ATM	20.00			
	Total checks	60.00			
Other withdrawals					
Date	Description	Amount			
	Total other withdrawals	0			
	Total withdrawals	60.00			

Balance budget

A budget in which the total amount of money spent, saved, and shared equals total income.

Build Your Budget	
Start with your total monthly income:	\$800
Subtract mandatory expenses:	
\$40 - Savings	
\$350 - Rent	
\$100 - Gas	
\$150 - Food	
\$20 - Utilities	
This is how much you have left for your extra expenses:	\$140

Expenses

The amount of money spent.



Financial resources

The means to get or find ways to find help with financing.



# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Financial security

The ability to keep finances secure and invest money wisely.



Payment

Something that is paid; an amount paid; compensation; recompense.



Payroll

A list of employees to be paid, with the amount due to each.




property

That which a person owns; the possession or possessions of a particular owner:



# 5<sup>th</sup> Grade Hinojosa Math Vocabulary Words

Topic		
Word	Definition	Picture
Budget	A plan for how much income will be received and how it will be spent.	 <p>Build Your Budget Start with your total monthly income: <b>\$800</b></p> <p>Subtract mandatory expenses:</p> <ul style="list-style-type: none"><li>\$40 - Savings</li><li>\$350 - Rent</li><li>\$100 - Gas</li><li>\$150 - Food</li><li>\$20 - Utilities</li></ul> <p>This is how much you have left for your extra expenses. → <b>\$140</b></p> <p><small>www.dream226.com</small></p>