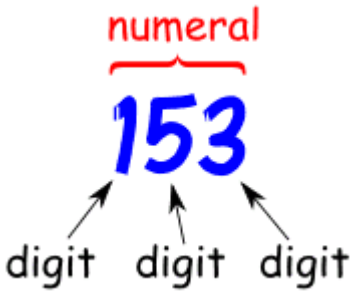
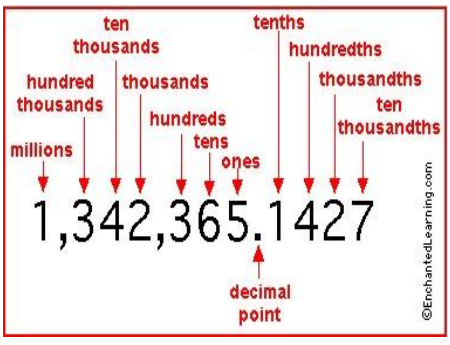
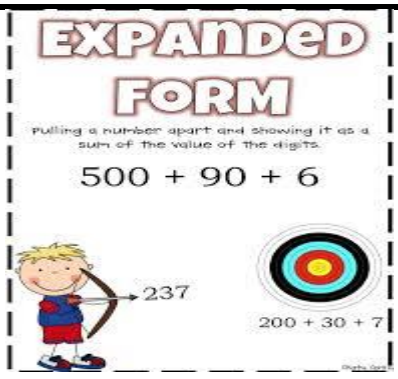
5th Grade Hinojosa Math Vocabulary Words

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	

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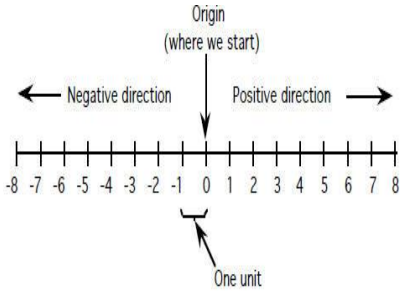
word form	A number written in words.	Five thousand , three hundred eighteen
decimal point	The dot used to separate the ones place from the tenths place in a decimal number	2.8 ^
equivalent decimal	Decimals that name the same amount	0.7=0.70
positive rational	A positive rational is a number that can be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

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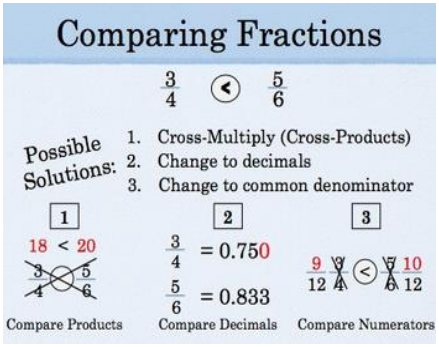
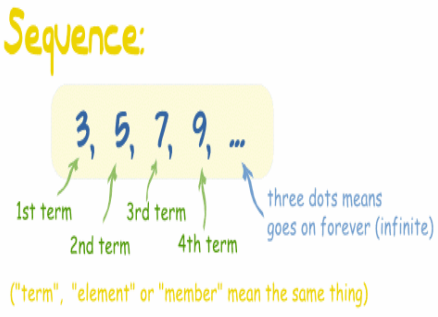
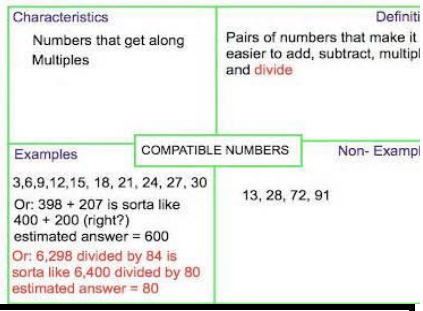
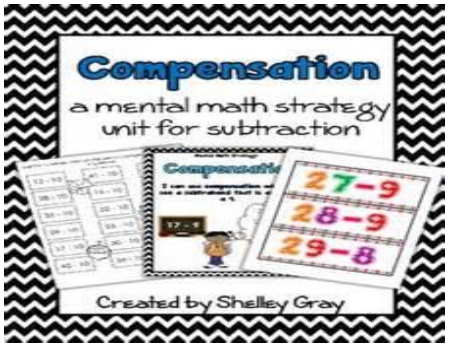
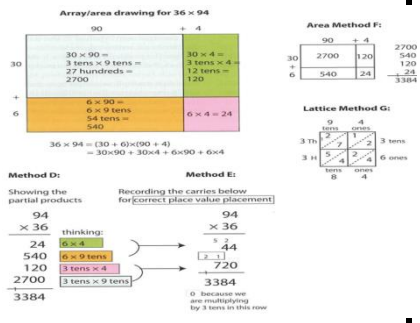
compare(< > or=)	To examine for likenesses and differences	
order	A customary mode of procedure ; a way of doing things	

5th Grade Hinojosa Math Vocabulary Words

Topic 2		
Word	**Definition**	**Picture**
composite numbers	A whole number greater than 1 with more than two factors.	
compensation	**Adjusting a number to make a computation easier and balancing the adjustment by changing another number.**	
Commutative Property of Addition	**Addition**: 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.	

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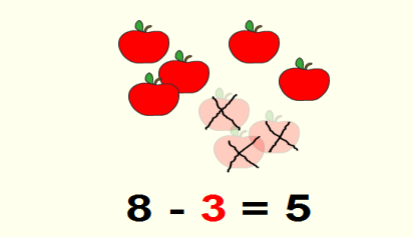
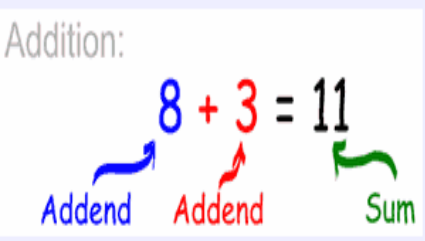
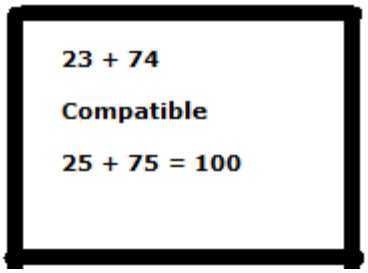
subtraction/difference	The result of subtracting one number from another.	
addition/sum	The result of adding two or more addends.	
compatible number	Numbers that are easy to compute with mentally	
Associative Property of Addition	Addends can be regrouped and the sum remains the same	1+(3=5) = (1+3) +5

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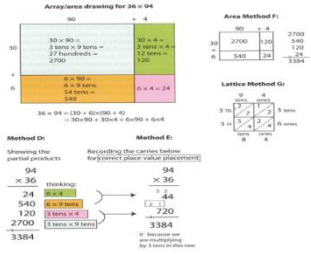
Topic 3		
Word	**Definition**	**Picture**
round	**A process t;hat determines which multiple of 10,100,1000, and so on, a number is closest to.**	
underestimate	**An estimate that is less than the actual answer.**	$36.23 → $36.20 + $63.44 → + $63.40 $99.67 $99.60 < $99.67 $99.60 is under
overestimate	**An estimate that is greater than the actual answer.**	$57.65 → $ 57.70 + $43.31 → + $ 43.30 $101.00 $100.96 101.00 > $100.96
partial estimate	To give some of an approximate value rather than an exact answer.	

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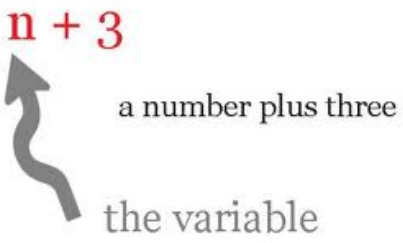
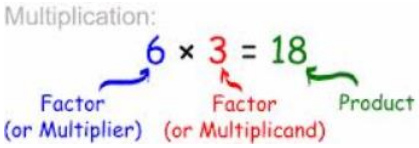
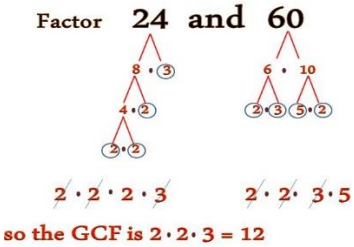
variable	A letter such as n, that represents a number in an expression or an equation.	
product	The number that is the result of multiplying two or more factors.	
factor	Numbers that are multiplied to get a product.	8 x 4 = 32
greatest common factor	**The largest number that is a factor or divides two or more numbers is called the greatest common factor or GCF.**	

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least common factor	**LCM is the smallest multiple that two or more numbers have in common.**	**Example A:** What is the LCM of 20, 40 and 60. Multiples of 20 are: 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240 ..... Multiples of 40 are: 40, 80, 120, 160, 200, 240, 280, 320..... Multiples of 60 are: 60, 120, 180, 240, 300..... 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.

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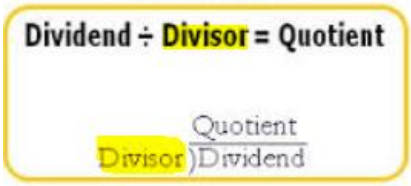
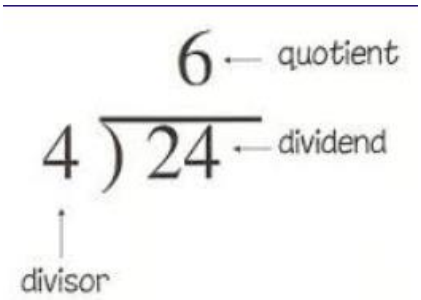
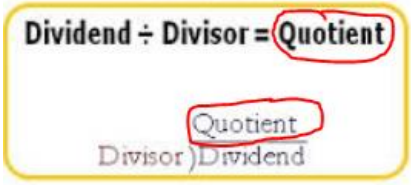
Topic 4 -5 - 6		
Word	**Definition**	**Picture**
division	An operation to find the number in each group or the number of equal groups	 $6 \div 3 = 2$
divisor	The number by which another number is divided	
dividend	The number to be divided.	
quotient	The answer to a division problem.	

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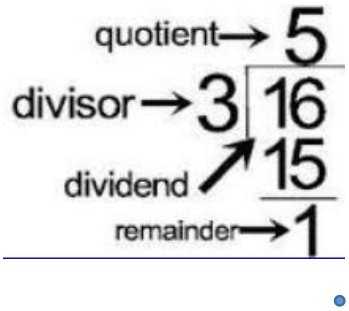
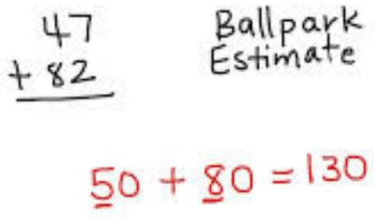
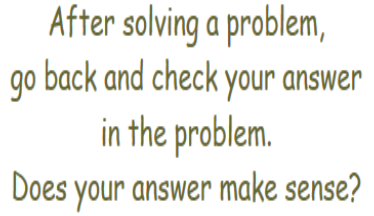
remainder	The amount that is left after dividing a number into equal parts.	
estimate	To give an approximate value rather than an exact answer.	
fluency	Quickly and accurately	
reasonableness	agreeable to reason or sound judgment; logical:	

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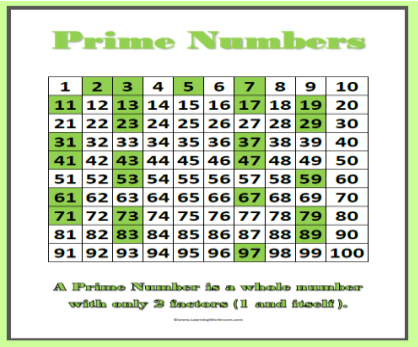
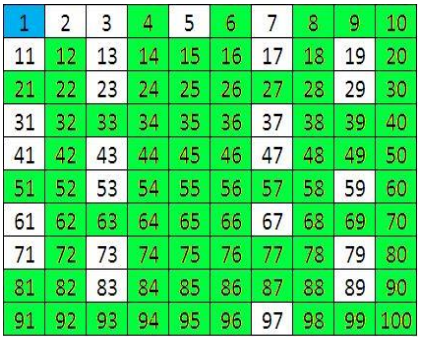
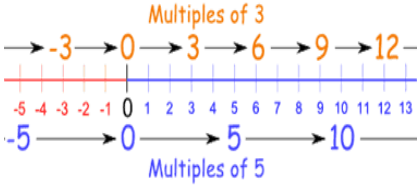
Topic 7		
Word	**Definition**	**Picture**
Prime number	A whole number greater than 1 that has exactly two factors, itself and 1.	
Composite number	A whole number greater than 1 with more than two factors.	
algebraic form	A mathematical phrase involving a variable or variables, numbers , and operations.	Y=x+a
multiples	The product of a given whole number and any other whole number.	

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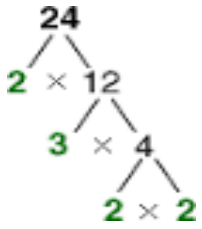
factor tree	A structure used to find the prime factorization of a positive integer.	

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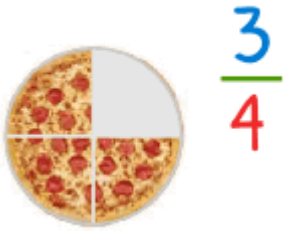
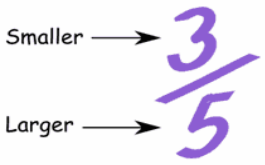
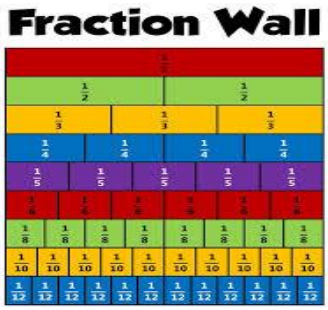
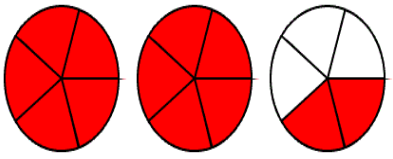
Topic 8		
Word	**Definition**	**Picture**
fraction	Part of a whole	
proper fraction	 A proper fraction is a fraction where the numerator (the top number) is less than the denominator (the bottom number).	
mixed fraction	A whole number and a fraction combined into one "mixed" number. Example: **1½** (one and a half) is a mixed number.	 Mixed Form to Fraction Form. $2\frac{2}{5} = \frac{2X5+2}{5} = \frac{12}{5}$

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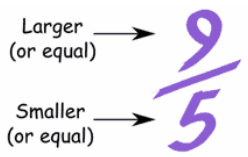
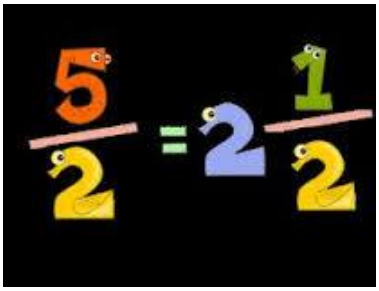
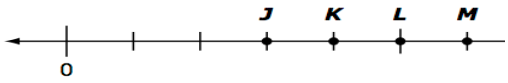
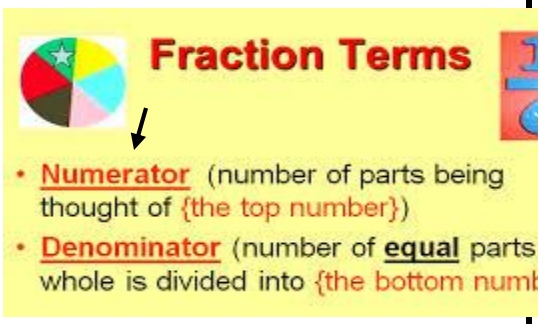
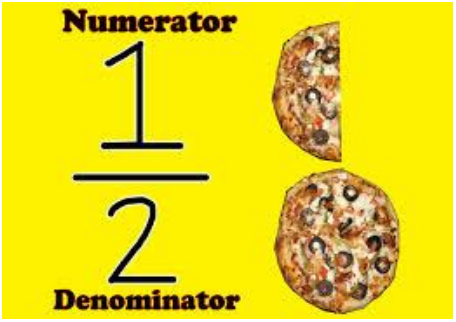
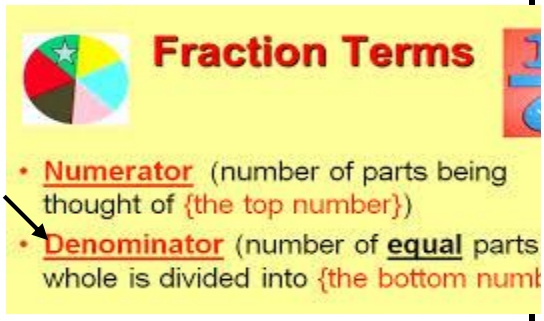
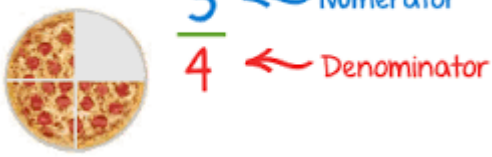
improper fraction	 An improper fraction is a fraction where the numerator (the top number) is greater than or equal to the denominator (the bottom number). In other words, it is top-heavy.	
benchmark fraction	Common fractions that you can judge other numbers against.	 Between which 2 points is $\frac{7}{16}$ located? **A.** *J* and *K* **B.** *K* and *L* **C.** *L* and *M* **D.** *M* and *N*
numerator		
denominator		

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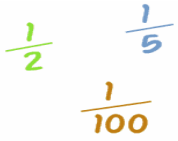
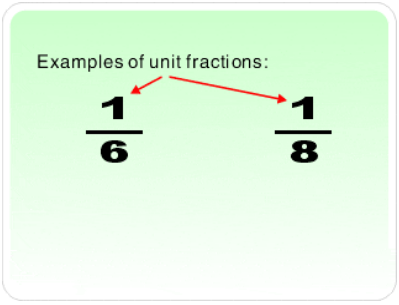
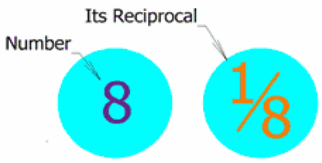
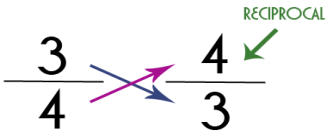
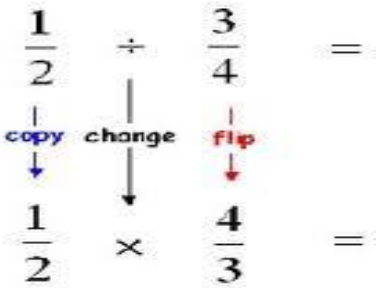
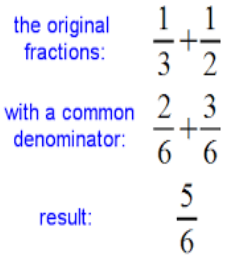
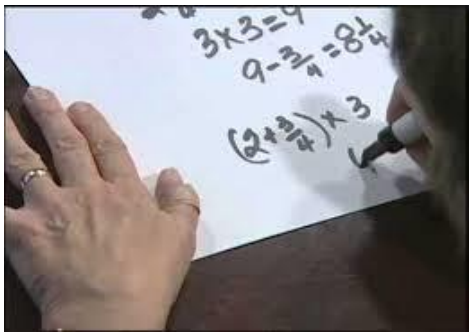
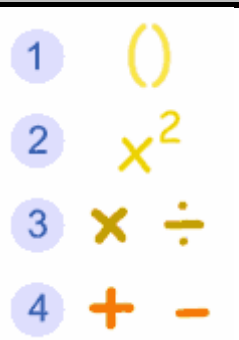
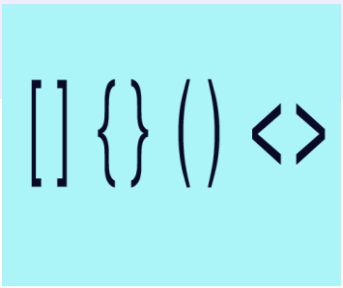
Topic 9		
Word	**Definition**	**Picture**
Unit fraction	 Unit Fractions A fraction where the top number (the "numerator") is 1	
reciprocal	 The reciprocal of a number is: 1 divided by the number Examples: • the reciprocal of 2 is 1/2 (half) • the reciprocal of 10 is 1/10 (=0.1)	
Invert	The opposite	
Unlike denominator	Fractions with two or more different denominators	

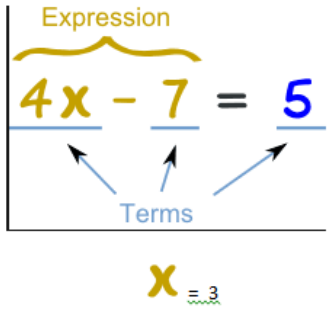
5th Grade Hinojosa Math Vocabulary Words

Computation of fractions	The operation of solving a problem that involve fractions	

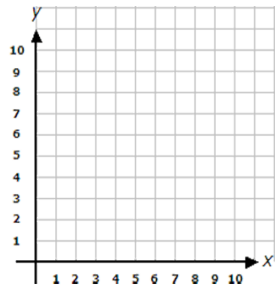
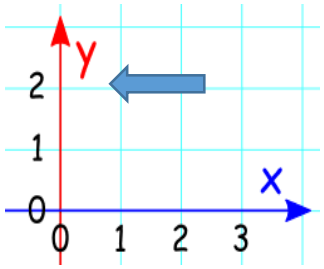
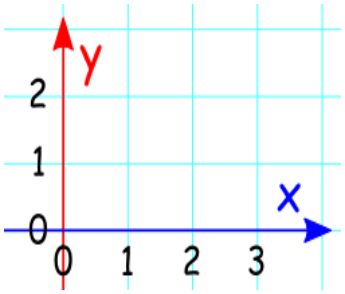
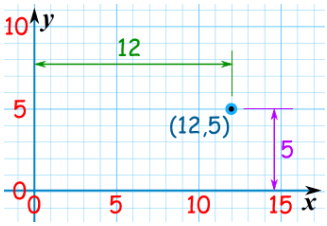
5th Grade Hinojosa Math Vocabulary Words

Topic 10		
Word	**Definition**	**Picture**
Order of operations	The rules that say which calculation comes first in an expression They are: • do everything inside parentheses first: () • then do exponents, like x^2 • then do multiplies and divides from left to right • then do the adds and subtracts from left to right	
Parentheses	The symbols (and) used to group numbers or variables in mathematical expressions	Example: (3 + 2) x (6 - 4) = 5 x 2 = 10 The Parentheses group 3 and 2 together, and 6 and 4 together
Numerical expression	A mathematical phrase that contains numbers and are at least one operation	Note: Angle brackets can be confusing because they look like the "less than" and "greater than" signs. $3 + 2 = 5$ $10 \times 4 = 40$ $6 - 2 = 4$
Brackets	The symbols [and] that are used to group number or variables in mathematical expressions.	

5th 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.	 x = 3

5th 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.	

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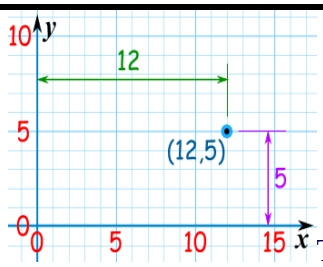
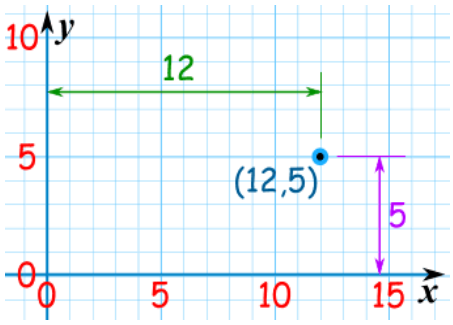
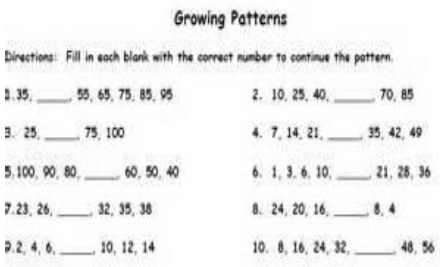
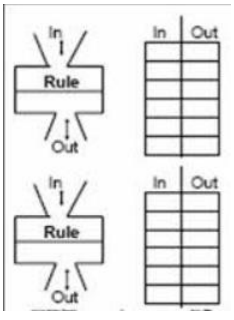
x-coordinate	The first number in an ordered pair, which names the distance to the right or left from the origin along the x-axis.	 The X Coordinate is always written first in an *ordered pair* of coordinates (x,y), such as (12,5).
y-coordinate	The second number in an ordered pair, which names the distance up or down from the origin along the y-axis.	
Additive pattern	A pattern in which corresponding values are related by addition.	
Input-output table	A table that uses a rule to relate one set of numbers to another set of numbers.	

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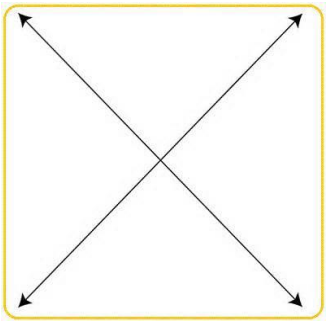
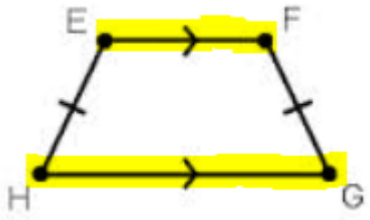
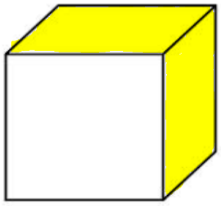
Multiplicative pattern	A pattern in which corresponding values are related by multiplication.	Columns Rows × 0 1 2 3 4 5 6 7 8 9 10 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 2 3 4 5 6 7 8 9 10 2 0 2 4 6 8 10 12 14 16 18 20 3 0 3 6 9 12 15 18 21 24 27 30 4 0 4 8 12 16 20 24 28 32 36 40 5 0 5 10 15 20 25 30 35 40 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
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.	

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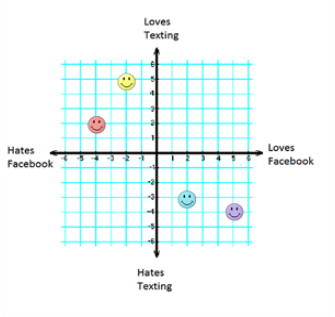
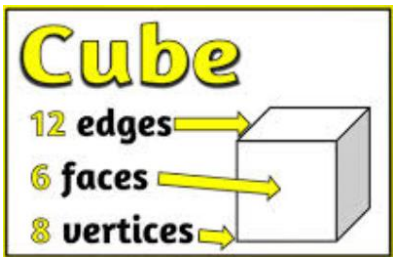
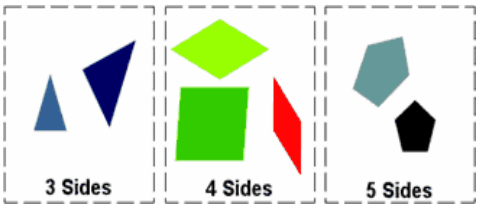
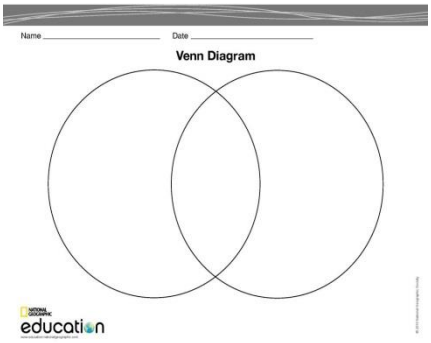
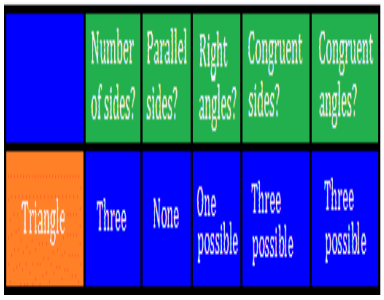
Quadrant	One of the quarters of the plane of the Cartesian coordinate system	

5th 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.	

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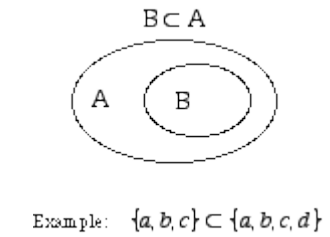
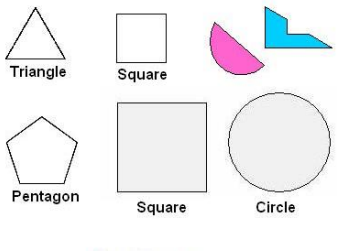
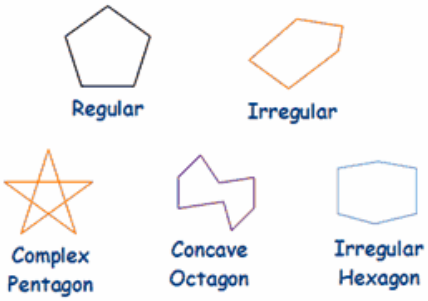
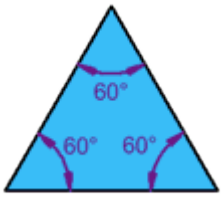
Sub sets	Set A is a subset of set B if all of the elements (if any) of set A are contained in set B. This is written $A \subset B$. Note: The empty set is a subset of every set.	
Two dimensional figures	A shape that only has two dimensions (such as width and length) and no thickness (height).	
Polygons	A closed plane figure made up of line segments.	
Equilateral triangle	A triangle whose sides all have the same length.	

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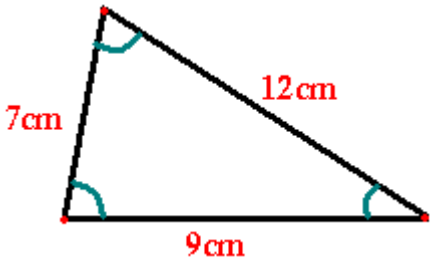
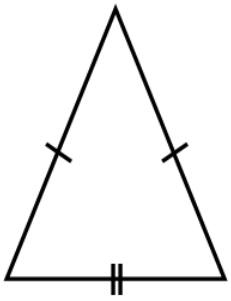
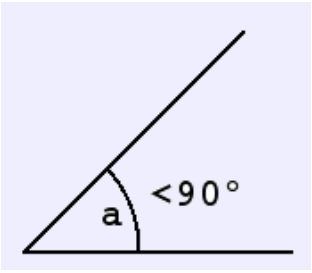
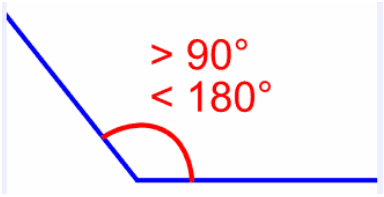
Scalene triangle	A triangle in which no sides have the same length.	
Isosceles triangle	A triangle with two sides of the same length.	
Acute triangle	A triangle whose angles are all acute triangle	
Obtuse triangle	A triangle in which one angle is an obtuse angle.	

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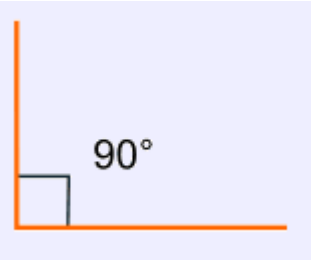
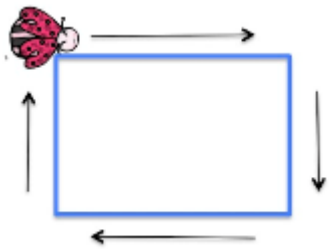
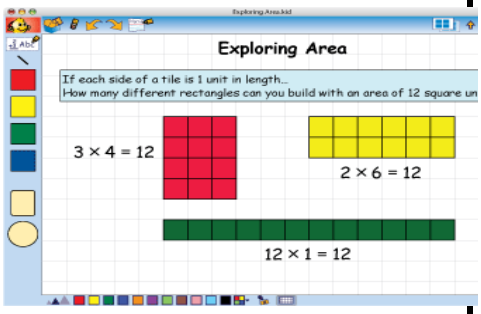
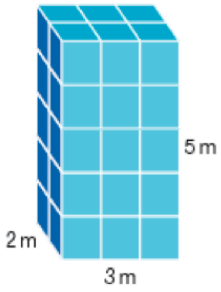
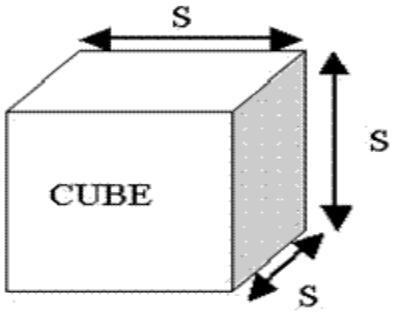
Right triangle	A triangle in which one angle is a right angle.	

5th 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.	 $V = l \times w \times h$ $V = 3\text{ m} \times 2\text{ m} \times 5$ $V = 30$ cubic meters
Cube	A solid figure with six identical squares as its faces.	

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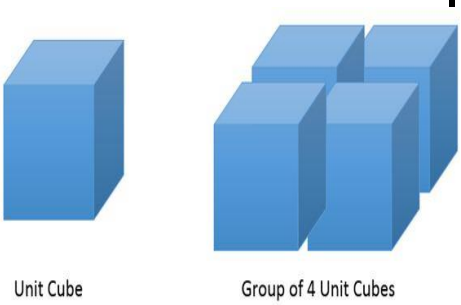
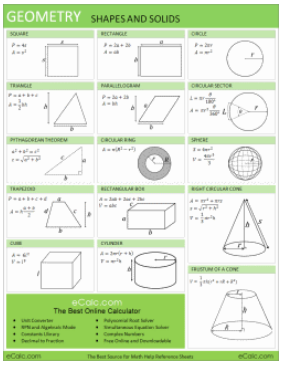
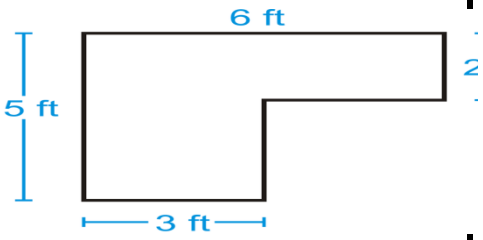
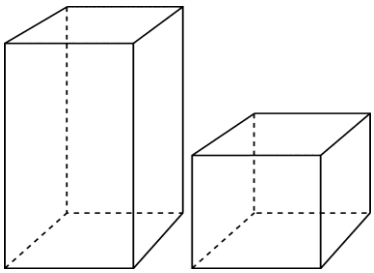
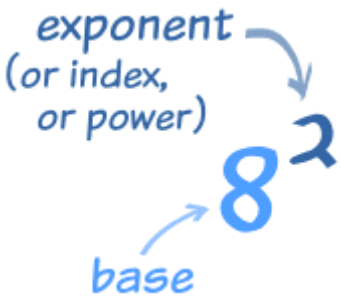
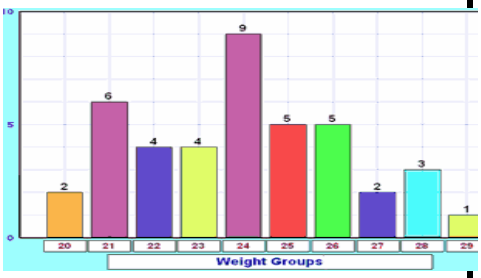
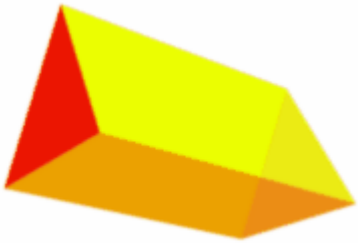
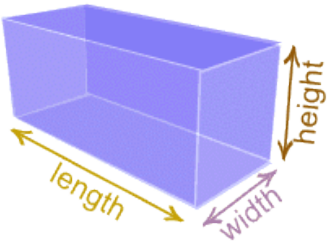
Cubic unit	The volume of a cube that measures 1 unit on each edge.	
Formula	A rule that uses symbols to relate two or more quantities	
Composite shape	A figure made up to two or more shapes.	
Rectangular prism	A solid figure with 6 rectangles faces.	

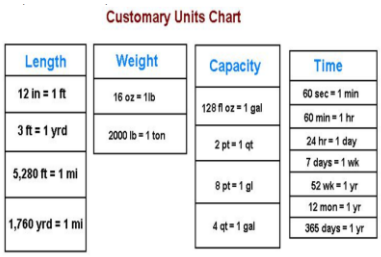
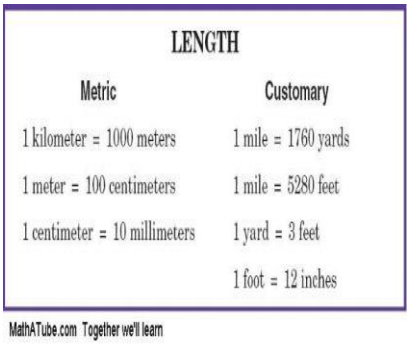
5th Grade Hinojosa Math Vocabulary Words

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 x 25 =
Prism	A solid object with two identical ends and flat sides: • The sides are parallelograms (4-sided shape with opposites sides parallel) • The cross section is the same all along its length The shape of the ends give the prism a name, such as "triangular prism"	

5th Grade Hinojosa Math Vocabulary Words

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

5th 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 km = 1,000 m 2.3 X !,000 = 2300 km
Customary measurement	The main **system** of weights and measures used in the United States and a few other countries. Also known as Standard system.	
Metric measurement	the decimal measuring system based on the meter, liter, and gram as units of length, capacity, and weight	
Units of Length		

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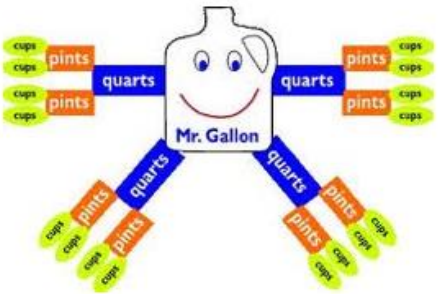
Units of Capacity	The amount that something can hold. Usually it means volume, such as milliliters (ml) or liters (l) in Metric, or pints or gallons in Imperial.	
Units of Weight	Even though weight and mass are different things, weight often uses the units of mass. For example grams, kilograms and, ton (Metric) or ounces and pounds.	**Customary Units of Weight** 1 pound (lb) = 16 ounces (oz) 1 ton (T) = 2,000 pounds

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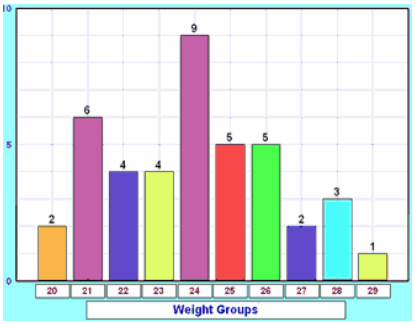
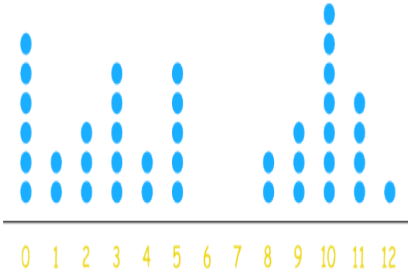
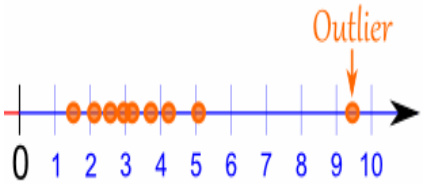
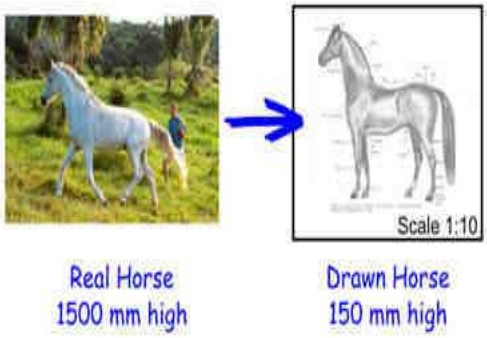
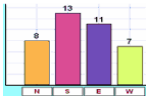
Topic 15		
Word	**Definition**	**Picture**
Bar Graph	**A graph drawn using rectangular bars to show how large each value is.** **The bars can be horizontal or vertical.**	
Point	An exact location. It has no size, only position. Drag the points below (they are shown as dots so you can see them, but a point really has no size at all!) Points usually have a name, often a letter like "A" or "B" etc.	
Dot plot	**A graphical display of data using dots.**	
Outlier	**A value that "lies outside" (is much smaller or larger than) most of the other values in a set of data.**	

5th Grade Hinojosa Math Vocabulary Words

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

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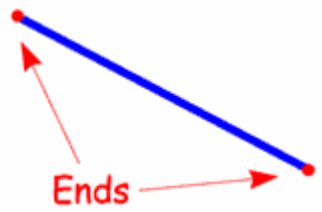
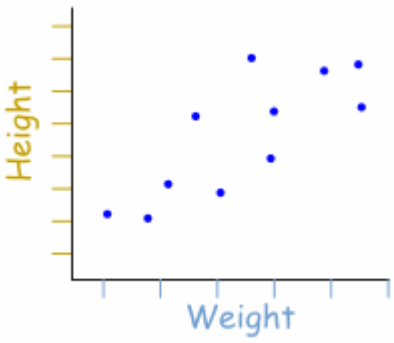
Sample	A representative part of a larger group.	 A selection taken from a larger group (the "population") so that you can examine it to find out something about the larger group.
Interval	The difference between consecutive numbers on an axis of a graph.	
Categorical data	Data that can be divided into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

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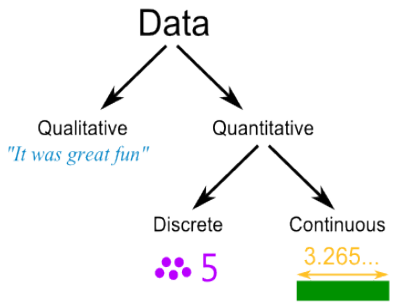
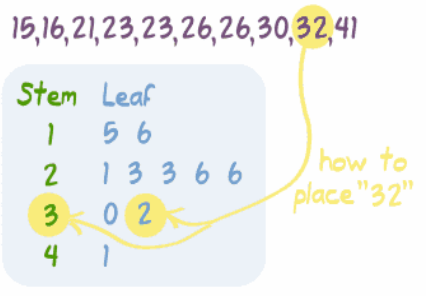
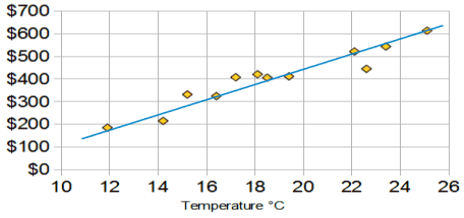
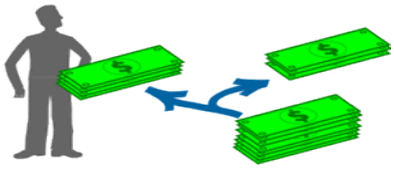
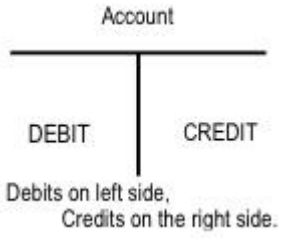
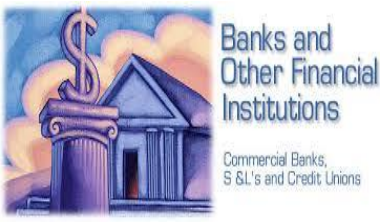
Discrete data	Data where only whole numbers are possible.	
Survey	A question or questions used to gather information	 Example: you could survey a river's water quality by taking a cupful of water from different random locations at different times.
Stem and leaf plot	A way to organize numerical data using 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. 

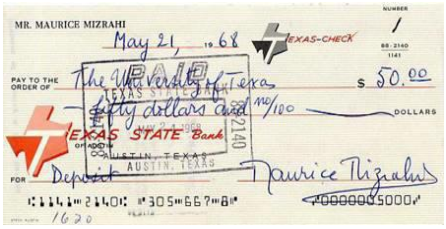
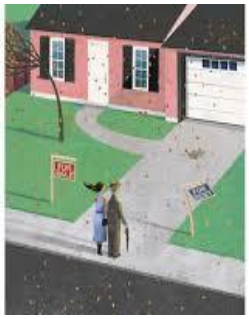
5th Grade Hinojosa Math Vocabulary Words

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 – 9,000 Net income $1,000
Debit budget	Money taken out of a person's account	
Gross income	The total amount of money a person earns.	

5th Grade Hinojosa Math Vocabulary Words

Deposit	Money put into a person's account.	
Balance budget	A budget in which the total amount of money spent, saved, and shared equals total income.	
Expenses	The amount of money spent.	
Financial resources	The means to get or find ways to find help with financing.	

5th 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:	

5th 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.