
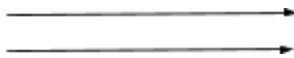
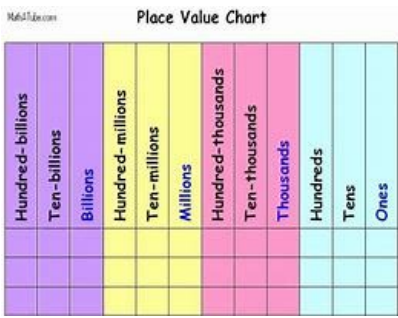
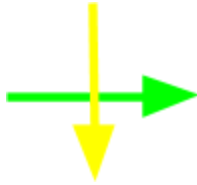
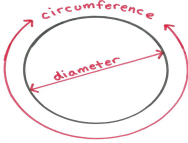
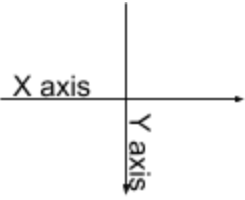

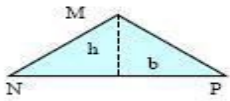
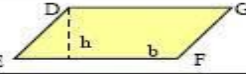



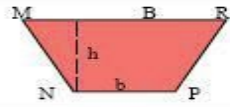
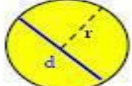


## Math Vocabulary and Formulas

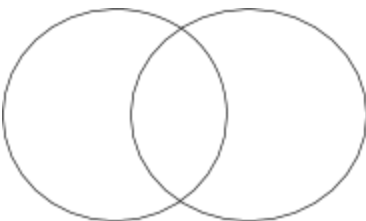
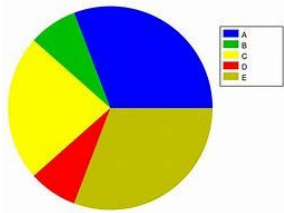
Word	Definition	Example
Numerator	Top number in a fraction	$\frac{1}{4}$
Denominator	Bottom number in a fraction	$\frac{1}{4}$
Quotient	Answer to a division problem	$10 \div 5 = 2$
Product	Answer to a multiplication problem	$2 \times 4 = 8$
Common Factor	Factor of two or more numbers	Factors of 8: 1, 2, 4, 8 Factors of 16: 1, 2, 4, 8, 16
Perpendicular	Two lines that cross to make right angles	
Parallel	Two lines that do not intersect	
Place Value	Value of a digit of a number	
Multiply Fractions	Simplify. Multiply Numerators, and then Denominators. Simplify.	$\frac{3}{5} \times \frac{15}{6} = \frac{3}{10}$

Divide Fractions	Flip the second fraction. Then multiply them. <b>Simplify.</b>	$\frac{3}{5} \div \frac{3}{6} = \frac{3}{5} \times \frac{6}{3} = \frac{18}{15} = 1 \frac{1}{5}$
Multiply in equations with variables	Order of operations: <b>Parenthesis</b> <b>Multiplication</b> <b>Division</b> Addition Subtraction	$2(1 \times 3) = 2X$ $2(3) = 2X$ $6 = 2X$ $6 = X$ $2$ $3 = X$
Scientific Notation	Multiply by a power of 10	$1 \times 10^2 = 100$ $1 \times 10^4 = 10,000$ $456 \times 10^2 = 4,560$
Factor Tree	Finding <b>prime numbers</b> by listing factors	<pre>       36      /  \     6    6    /  \  /  \   2  3 2  3 </pre>
Prime Numbers	Number greater than 1 that has no other divisors other than 1 and itself.	2, 3, 5, 7, 11, 13, 17 etc.
Composite Numbers	Numbers with divisors other than 1 and itself	4, 6, 9, 10 etc.
Median	<b>Middle number</b> when arranged least to greatest	1, 2, 3, 4, <b>5</b> , 6, 7, 8, 9
Mode	Number that occurs most often	70, 71, <b>80, 80, 80</b> , 85, 87, 90
Median	<b>Average</b> of a group of numbers	70, 71, 80, 80, 80, 85, 87, 90 = <b>80.375</b>
Associative Property	Addends or factors are grouped yield the same answer	$2 + (1 + 4) = 4 + (2 + 1) = 7$ $2 \times (1 \times 4) = 4 \times (2 \times 1) = 8$
Distributive Property	Multiply each addend separately, then add products.	$2(3 \times 4) = 2 \times 3 + 2 \times 4 = 6 + 8 = 14$

Graphing	X-axis = horizontal line Y-axis = vertical line	
Circumferences	Distance around a circle	
Ordered Pair	(X, Y) for graphing	
Radius	Half way into center of a circle	
Surface Area	Measure of the total area of the surface of a shape	
Volume	Measure of space taken up by a solid object	
Perimeter	Distance around the outside of a shape	

NAME	FIGURE	AREA	PERIMETER CIRCUMFERENCE
TRIANGLE		$A = \frac{b \times h}{2}$	$P = MN + NP + PM$
PARALLELOGRAM		$A = b \times h$	$P = DE + EF + FG + GD$
RHOMBUS		$A = b \times h$	$P = b + b + b + b$ $P = 4b$
RECTANGLE		$A = L \times w$	$P = L + w + L + w$ $P = 2L + 2w$
SQUARE		$A = l^2$	$P = l + l + l + l$ $P = 4l$
TRAPEZOID		$A = \frac{(B + b) \times h}{2}$	$P = MN + NP + PR + RM$
CIRCLE		$A = \pi r^2$	$C = 2\pi r = \pi d$

Reading Vocabulary and Strategies

Word	Definition	Example
Synonym	Words that have <b>similar</b> meanings.	Happy, cheerful, glad, joyful
Antonym	Words that have the <b>opposite</b> meanings.	Happy - mad Early - late
Homonyms	Words with same sound but have different meanings	Sent, cent Hair, hare Aunt, ant
Informative Writing	Writing to tell someone information.	Non-fiction writing Newspapers, alaminacs, reference books
Narrative Writing	Telling a story	Generally fiction writings
Argumentative	Persuasive writing, getting reader to see your point of view	
Theme	Central idea of a story	Survival, love, suffering, good vs. evil
Plot	How events of a story relate to each other	Introduction, climbing action, climax, falling action, resolution
Setting	Where a story takes place	City, school, country, space etc.
Solution	How the conflict was solved	conclusion
Characters	Whomever the story is about: people, animals etc.	Protagonist- hero of a story Antagonist- opposes the hero
Venn Diagram	Diagram that shows relationships between entities: common characteristics goes in the overlapping section of the circles.	
Pie Chart	Circular graph that is divided into slices to show numerical proportions	

Story Map	Graphic organizer to prewrite for stories	Can be drawn in different ways or computer sites also assist
Question first Reading	Read the questions before you read the passage. Read passage. Re-read questions to answer.	
Inferences	A conclusion based on evidence and reasoning	
Choral Reading	Reading out loud as a group	
Echo Reading	Teacher reads a selection, student repeat	
Repeated Reading	Teacher reads. Students read. Students re-read until they are fluent.	
Topic Sentence	Sentence at the beginning of writing that states the topic, and reasons, and why. Main idea.	
Kinds of sentences	<p><b>Declarative:</b> statement</p> <p><b>Imperative:</b> command</p> <p><b>Interrogative:</b> question</p> <p><b>Exclamatory:</b> expression/emotion</p>	<p><b>D:</b> It is going to rain today.</p> <p><b>Imp:</b> Take the dog outside.</p> <p><b>Int:</b> Will you get the mail?</p> <p><b>E:</b> Oh, no! There is a fire!</p>
Parts of Speech	<p><b>Noun:</b> person, place, thing, idea</p> <p><b>Adjective:</b> description</p> <p><b>Verb:</b> action</p> <p><b>Pronoun:</b> takes place of a noun</p> <p><b>Article:</b> before a noun</p> <p><b>Adverb:</b> describes a verb</p> <p><b>Preposition:</b> combines noun/pronoun tells something about another word</p> <p><b>Conjunction:</b> connects words, phrases, or clauses</p> <p><b>Interjection:</b> expresses emotion or feelings</p>	<p><b>Noun:</b> dog, cat</p> <p><b>Adjective:</b> red, hot, sour</p> <p><b>Verb:</b> run, think, hop</p> <p><b>Pronoun:</b> you, he, she</p> <p><b>Article:</b> a, an, the</p> <p><b>Adverb:</b> quickly, quietly</p> <p><b>Preposition:</b> on the couch</p> <p><b>Conjunction:</b> I want salad and pizza.</p> <p><b>Interjection:</b> Whew! I made the train.</p>

