Curriculum – Grade 6

Grade 6 Mathematics

	Numbers and Operations	Measurement and Geometry	Algebraic Concepts	Data Analysis and Probability
				-
What your	Divisibility rules to	Estimation of whole	Introduction to algebra	How to draw conclusions
child will	determine divisibility and	numbers decimals, and	using step-by-step	based on appropriate
learn	factorization	fractions	problem solving	use of statistics and
	How to find patterns and	Conversions of metric to	Evaluating algebraic	concepts of probability
	relationships between	customary units	expressions	Methods of solving
	numbers and sets of	Measure 3-dimensional and	Order of operations	problems by collecting,
	numbers	plane geometric figures	Solving one-step	organizing, displaying
	Operations with whole	Coordinate graphing	equations	and interpreting data
	numbers, integers,	Line and angle relationships		How to identify and
	exponents, fractions and	Classification and		analyze different types of
	decimals	definitions of triangles,		averages, including
	Number theory, including	quadrilaterals, and other		mean, median and
	LCM and GCF	polygons		mode.
	Ratios, proportions, and	Perimeter, area, and		Bar graphs, line graphs,
	percents	volume		stem-and-leaf plots

What your	Apply divisibility rules to	Measure items using Metric	Use both hands-on	Solve problems by
child will	other mathematical	and English Systems.	manipulatives and paper	collecting, organizing,
do	situations and problems	 Use a compass and 	and pencil to solve basic	displaying, and
	Use calculators to solve	protractor to measure and	algebraic equations	interpreting data into
	mathematical problems	draw angles, lines and	Evaluate numeric and	charts, graphs and
	Add, subtract, multiply and	circles	algebraic expressions	tables
	divide whole numbers,	Create and use scale	using correct order of	Conduct experiments of
	fractions and decimals	models to represent	operations	probability
	Convert between fractions,	physical objects	Find a missing number in	Use ordered pairs to plot
	decimals, and percents	Graph ordered pairs on a	a pattern displayed in a	data on a coordinate grid
	Know and use properties	coordinate plane	table, chart, or graph	Calculate the mean,
	of real numbers:	Find perimeter, area and	Determine a rule based	median, mode, and
		•	on patterns	
	commutative, associative,	volume of various shapes	on patterns	range
	distributive, identity			
What	Models of number lines	Labeled pictures and	Written explanations of	Charts, graphs and
you'll see	Computational problems	drawings of circles, angles,	how problems are	tables drawn by the
(products)	solved using arithmetic	and 2-dimensional figures	interpreted and solved in	student
	operations	of circles, angles, and two-	the student's own words	Models of probability

	Concrete and pictorial	 dimensional figures 	Formulas and equations	situations	
	models used to solve word	Geometric sketches and	used to solve problems		
	problems	models	Charts, tables, and		
		Calculations for finding	graphs		
		perimeter, area, and volume			
How you	Encourage your child to show all steps his/her work when solving problems, even when using a calculator				
can help	Encourage your child to use the online textbook resources and tutorial				
	Discuss vocabulary words and their meanings				
	Ask students to explain the procedure he/she used in each problem				
	Practice basic math facts				
	Monitor homework and your child's grades online				