21st **Century Learning Expectations:** Read, write, and communicate effectively; work independently and collaboratively; identify, analyze and solve problems; gather, evaluate, and apply information from a variety of sources					
	September	**October**	**November**	**December**	**January**
Content	LCM, GCF, Ratios, Rates, Unit Rates, Ratio Tables, Graph Ratio Tables	Percents	Decimals	Fractions	Integers & the Coordinate Plane	**Content**
St an	6.NS.4, 6.RP.1,6.RP.2, 6.RP.3	6.RP.3, 6.NS.3	6.NS.2, 6.NS.3	6.NS.1, 6.RP.3	6.NS.5, 6.NS.6, 6.NS.7, 6.NS.8	**St**
	Students will be able to: - Understand Divisibility Rules. - Use prime factorization & knowledge of prime numbers in solving problems. - Find the greatest common factor of two whole numbers less than or equal to 100. - Find the least common multiple of two whole numbers less than or equal to 12. - Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.	**Students will be able to:** - Write decimals as fractions or mixed numbers & vice versa. - Write percents as fractions and vice versa. - Write percents as decimals and vice versa. - Find a percent of a quantity as a rate per 100. - Solve problems involving finding the whole, given a part and the percent using double number line models or the percent proportion.	**Students will be able to:** - Add & subtract decimals. - Multiply decimals by whole numbers. - Multiply decimals by decimals. - Multiply decimals by powers of 10. - Divide multi-digit numbers. - Divide decimals by whole numbers. - Divide decimals by decimals.	**Students will be able to:** - Convert measurement units. - Divide whole numbers by fractions. - Divide fractions by fractions using visual fraction models and equations to represent problems. - Divide mixed numbers.	**Students will be able to:** - Use integers to represent real-world situations. - Graph integers on a number line. - Recognize opposites and find their locations on a number line. - Understand that absolute value is the distance of a number from zero on a number line. - Recognize that the opposite of the opposite of a number is the number itself. - Compare and order integers. - Explain statements of order for integers. - Convert negative fractions to decimals. - Compare & order rational numbers & plot them on a number line. - Find & position pairs of rational numbers on a coordinate plane. - Recognize reflections on the coordinate plane by the signs of the coordinates. - Find distances between points with the same first or second coordinate. - Solve real world & mathematical problems by graphing points in all four quadrants of the coordinate plane.	

Assessment					Assessment
Hw Classwork White boards Quizzes Tests	Hw Classwork White boards Quizzes Tests project	Hw Classwork White boards Quizzes Tests	Hw Classwork White boards Quizzes Tests	Hw Classwork White boards Quizzes Tests	
Resources Text chaps 1 & 2	Text chapter 2	Text chapter 3	Text chapter 4	Text chapter 5	Resources
Essential Questions How do we use equivalent rates in the real world? What is the relationship between ratios and fractions?	When is it better to use a fraction, decimal or a percent?	How can estimating be helpful?	What does it mean to multiply and divide fractions?	How are integers and absolute value used in real-world situations?	Essential Questions

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	February	**March**	**April**	**May**	**June**	
Content	Algebraic Expressions	Solving Equations	Geometry	Statistics	Statistical Displays	**Content**
Standards	6.EE.1, 6.EE.2, 6.EE.3, 6.EE.4, 6.EE.6, 6.NS.3	6.EE.2, 6.EE.5, 6.EE.7, 6.EE.9, 6.RP.3	6.G.1, 6.G.2, 6.G.3, 6.G.4, 6.NS.8	6.SP.1, 6.SP.3, 6.SP.5	6.SP.2, 6.SP.4, 6.SP.5	**Standards**
Skills	**Students will be able to:** - Evaluate expressions using order of operations. - Identify and combine like terms. - Substitute values for variables and evaluate. - Write phrases as algebraic expressions.	**Students will be able to:** - Solve one step equations through addition and subtraction. - Solve one step equations through multiplication and division. - Translate a verbal problem to an equation and solve. - Use the distributive property. - Solve an inequality. - Graph the solution set of an inequality.	**Students will be able to:** - Find area of triangles, special quadrilaterals, and polygons. - Use the relationships among radius, diameter, and center of a circle to find its circumference and area. - Find the volume of right rectangular prisms. - Draw polygons on the coordinate plane. - Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface areas of these figures.	**Students will be able to:** - Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. - Develop understanding of statistical variability. - Summarize numerical data in relation to their context, such as by: mean, median, mode, mean absolute deviation.	**Students will be able to:** - Display numerical data on plots on a number line, including dot plots, histograms, and box plots. - Read and interpret circle graphs.	**Skills**
Assessment	Hw Classwork White boards Quizzes Tests	Hw Classwork White boards Quizzes Tests	Hw Classwork White boards Quizzes Tests	Hw Classwork White boards Quizzes Tests	Hw Classwork White boards Quizzes Tests Project	**Assessment**

Resources	Text chapter 6	Text chapter 7 & 8	Text chapters 9 & 10	Text chapter 11	Text chapter 12	Resources
Essential Questions	How is it helpful to write numbers in different ways? How do you know that two expressions are equivalent?	How do you determine if two numbers or expressions are equal? How can you check if your solution to an equation is correct?	How can you use different measurements to solve real-life problems? How is shape important when measuring a figure?	How are the mean, median and mode helpful in describing data?	Why is it important to carefully evaluate graphs?	Essential