Sterling Middle School Scope and Sequence

Cycle 1	Cycle 2	Cycle 3
Scaled Copies	Fractions, Decimals and Percents - continued	Angles and Triangles
Ratios and Proportions	Integers and Absolute Value	Area, Surface Area and Volume
Circles	Expressions and Equations	Statistics
Fractions. Decimals and Percents	Pythagorean Theorem - Irrational Numbers	Probability
		Angles and Triangles
		Adjacent and Vertical Angles
		Complementary and Supplementary Angles
		Triangles
		Parallel Lines and Transversals
		Angles of Triangles
		Angles of Polygons
		Using Similar Triangles
		Area, Surface Area and Volume
		Area of Composite Figures Surface Area of Prisms
		Surface Area of Prisms Surface Area of Pyramids
		Surface Area of Cylinders
		Volumes of Prisms
		Volumes of Pyramids
		Volumes of Cylinders
		Volumes of Cones
		Volumes of Spheres
Decimal Operations		Surface Areas and Volumes of Similar Solids
Percents and Decimals	Rewriting Equations and Formulas	Statistics
		Samples & Populations
The Percent Equation		Comparing Populations
Percents of Increase and Decrease		Scatter Plot
Discounts and Markups		Lines of Fit
Simple Interest		Two-Way Tables
		Choosing a Data Display
		Probability
		Outcomes & Events
		Probability
		Experimental & Theoretical Probability
		Compound Events
	Transfer of the Control of the Contr	Independent & Dependent Events
		Angles and Triangles
		What can you conclude about the angles formed by two intersecting lines?
		How can you classify two angles as complementary or supplementary?
		How can you construct triangles? How can you describe angles formed by parallel lines and transversals?
		How can you describe the relationships among the angles of a triangle?
		How can you find the sum of the interior angle measures and the sum of the exterior angle
		measures of a polygon? How can you use angles to tell whether triangles are similar?
Circles		Area, Surface Area and Volume
		How can you find the area of a composite figure?
How can you find the perimeter of a composite figure? How can you find the area of a circle?	How can you check the reasonableness of your solution? How can you solve an equation that	How can you find the surface area of a prism?
Fractions, Decimals and Percents	has variables on both sides?	How can you find the surface area of a pyramid?
How can you use a number line to order rational numbers? How can you use what you know	How can you use a formula for one measurement to write a formula for a different	How can you find the surface area of a cylinder?
about adding integers to add rational numbers?	measurement?	How can you find the volume of a prism?
How can you use what you know about subtracting integers to subtract rational numbers?	la a la compania de la compania del compania del compania de la compania del compa	I law and the first the continue of a consocial
	Pythagorean Theorem - Irrational Numbers	How can you find the volume of a pyramid?
Why is the product of two negative rational numbers positive?	If the area of a square is 10, what is the length of the side of the square?	How can you find the volume of a cylinder?
Why is the product of two negative rational numbers positive? How does the decimal point move when you rewrite a percent as a decimal and when you	If the area of a square is 10, what is the length of the side of the square? What is an irrational number?	How can you find the volume of a cylinder? How can you find the volume of a cone?
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Why is the product of two negative rational numbers positive? How does the decimal point move when you rewrite a percent as a decimal and when you rewrite a decimal as a percent? How can you use models to estimate percent questions? How can you use an equivalent form	If the area of a square is 10, what is the length of the side of the square? What is an irrational number?	How can you find the volume of a cylinder? How can you find the volume of a come? How can you find the volume of a sphere? When the dimensions of a solid increase by a factor of k, how does the surface area change?
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C F S S O F F F S A S S C T C O F A F F C F C T F C S	Circles Fractions. Docimals and Percents Scaled Copies Scale Factor Constant of Proportionality Ratios and Proportions Ratios and Rates Proportions Scale Drawings Writing Proportions Solving Proportions Circles Circles and Circumference Perimeters of Composite Figures Area of Circles Fraction Operations test of edit Decimal Operations test of edit Decimal Operations Percents and Decimals Companing and ordering Fractions/Decimals/Percents The Percent Equation Percents of Increase and Decrease Discounts and Markups Simple Interest Ratios and Proportions Ratios and Proportions help you describe or solve real-life problems? How can you use ratio tables and cross products to solve proportions? How can you use ratio tables and cross products to solve proportions? How can you use a graph or equation to show the relationship between two quantities that vary directly? How can you use a graph or equation to show the relationship between two quantities that vary directly? Circles How can you find the perimeter of a composite figure? How can you find the area of a circle? Fractions, Decimals and Percents	Expressions and Equations Expressions and Equations Privations per an Tracerons Privations per and Absolute Value Integers and Absolute Value Integers and Absolute Value Integers and Absolute Value Integers and Absolute Value Adding Integers Ratios and Proportions Subtracting Integers Subtracting Integers Proportions Subtracting Integers Proportions Proportion Proportions Proporti

NC State Standards Alignment	Ratios and Proportions	Integers and Absolute Value	Angles and Triangles
	7.RP.1	7.NS.1	7.G.2
	7.RP.2	7.NS.2	7.G.5
	7.RP.3	7.NS.3	8.G.5
	7.G.1	Expressions and Equations	Area, Surface Area and Volume
	Circles	7.EE.1	7.G.3
	7.G.4	7.EE.2	7.G.6
	Fractions, Decimals and Percents		8.G.9
	7.NS.1		Statistics
	7.NS.2		7.SP.1
	7.NS.3		7.SP.2
			7.SP.3
			7.SP.4
			8.SP.1
			8.SP.2
			8.SP.3
			8.SP.4
			Probability
			7.SP.5
			7.SP.6
			7.SP.7
			7.SP.8