

## Seventh Grade Math Timeline & Content Outline

Quarter	SOL #	Standard	Timeline
<b>1</b>	<b>All 6<sup>th</sup> grade</b>	<b>Review 6<sup>th</sup> grade skills</b>	<b>1 wk.</b>
	<b>7.1, 7.2, &amp; 7.3</b>	<b>Order of Operations &amp; Properties</b> A. Exponents B. Scientific Notation C. Simplifying Expressions D. Properties	<b>3 wks.</b>
	<b>7.1</b>	<b>Fractions, Decimals, &amp; Percents</b> A. Convert B. Determine Equivalence C. Compare (Include Scientific Notation) D. Order (Include Scientific Notation)	<b>2 wks.</b>
	<b>7.4</b>	<b>Consumer Application Problems (NO CALC)</b> A. Sales Tax, Tip, Discount, & Simple Interest B. Practical Problems using Rational Numbers (Include fractions, decimals, & percents)	<b>2 wks.</b>
	<b>1<sup>st</sup> Quarter SOLs</b>	<b>Review / Remediation / Enrichment</b>	<b>1 wk.</b>
	<b>Total</b>		
<b>2</b>	<b>7.5</b>	<b>Integers (NO CALC)</b> A. Vocabulary B. Integer Operations C. Modeling	<b>2 wks.</b>
	<b>7.20-7.22</b>	<b>Equations &amp; Inequalities</b> A. Vocabulary B. Evaluating & Writing Variable Expressions C. One-Step Equations D. One-Step Inequalities E. Practical Problems	<b>5 wks.</b>
	<b>7.6</b>	<b>Solving Proportions</b> A. Set-up and Solve	<b>1 wk.</b>
	<b>2<sup>nd</sup> Quarter SOLs</b>	<b>Review / Remediation / Enrichment</b>	<b>1 wk.</b>
	<b>Total</b>		

Quarter	SOL #	Standard	Timeline
3	7.6 & 7.11	<b>Proportional Applications &amp; Similarity</b> A. Scale Drawings (NO CALC) B. Similar Figures C. Percent of a Number (NO CALC)	2 wks.
	7.9 & 7.10	<b>Geometric Figures</b> A. Classify, Compare, & Contrast Quadrilaterals B. Identify Polygons	1.5 wks.
	7.12 & 7.13	<b>Coordinate Plane &amp; Transformations</b> A. Graphing in the Coordinate Plane B. Transformations: Translations & Rotations	1.5 wks.
	7.7 & 7.8	<b>Measurement</b> A. Area of Irregular Figures B. Classify Three-Dimensional Figures C. Surface Area of Prisms & Cylinders D. Volume of Prisms & Cylinders E. Practical Applications	3 wks.
	3 <sup>rd</sup> Quarter SOLs	<b>Review / Remediation / Enrichment</b>	1 wk.
	<b>Total</b>		<b>9 wks.</b>
4	7.16-7.18	<b>Statistics</b> A. Measures of Central Tendency B. Analyze, Display, & Interpret Tables, Charts, & Graphs C. Choosing the Appropriate Graph	3 wks.
	7.14 & 7.15	<b>Probability</b> A. Experimental & Theoretical Probability B. Sample Space C. Tree Diagrams D. Counting Principal	2 wks.
	7.19	<b>Patterns &amp; Functions*</b> A. Arithmetic & Geometric Sequences B. Relations using Tables & Rules	1 wk.
	All Seventh Grade SOLs	<b>SOL Review/Testing</b>	2 wks.
	All	<b>Extension</b>	1 wk.
	<b>Total</b>		<b>9 wks.</b>

\*Patterns are taught throughout the year as an on-going skill.