



## Resources --- Mathematics --- Grade 7

First Semester	Second Semester
<p><b>Unit 1: 2-D and 3-D Geometry</b> (4 weeks) Illuminations: <a href="#">Circle Tool</a> Illuminations: <a href="#">Computing Pi</a> IXL: <a href="#">Parts of a Circle</a> IXL: <a href="#">Circles: Calculate Area, Circumference, Radius, and Diameter</a> IXL: <a href="#">Circles: Word Problems</a></p> <p><b>Unit 2: Integers and Rational Numbers</b> (6 weeks) Illuminations: <a href="#">Pan Balance</a> Illuminations: <a href="#">Algebra Tiles</a> IXL: <a href="#">Integers on Number Lines</a> IXL: <a href="#">Compare and Order Integers</a> IXL: <a href="#">Absolute Value and Opposite Integers</a> IXL: <a href="#">Integer Inequalities with Absolute Value</a> IXL: <a href="#">Complete Addition and Subtraction Sentences with Integers</a> IXL: <a href="#">Add and Subtract Integers: Word Problems</a> IXL: <a href="#">Complete Multiplication and Division Sentences with Integers</a> NLVM: <a href="#">Color Chips- Subtraction</a> NLVM: <a href="#">Diffy</a> NLVM: <a href="#">Number Line Bounce</a></p> <p><b>Unit 3: Ratios and Proportional Reasoning</b> (6 weeks) IXL: <a href="#">Identify Rational Numbers</a> IXL: <a href="#">Put Rational Numbers in Order</a> IXL: <a href="#">Simple Interest</a> IXL: <a href="#">Multi-Step Problems with Percents</a> NLVM: <a href="#">Loan Calculator</a></p>	<p><b>Unit 4: Proportional Relationships</b> (6 weeks) IXL: <a href="#">Solve Proportions: Word Problems</a> IXL: <a href="#">Rate of Change</a> IXL: <a href="#">Scale Drawings and Scale Factors</a> IXL: <a href="#">Translations: Find the Coordinates</a></p> <p><b>Unit 5: Data and Probability</b> (5 weeks) Illuminations: <a href="#">Advanced Data Grapher</a> Illuminations: <a href="#">Data Grapher</a> Illuminations: <a href="#">Box Plotter</a> Illuminations: <a href="#">Mean and Median</a> IXL: <a href="#">Calculate Mean, Median, Mode, and Range</a> IXL: <a href="#">Interpret Charts to Find Mean, Median, Mode, and Range</a> IXL: <a href="#">Mean, Median, Mode, and Range: Find the Missing Number</a></p> <p><b>Unit 6: Linear Relationships</b> (6 weeks) IXL: <a href="#">Graph a Line from an Equation</a> IXL: <a href="#">Graph a Line from a Function Table</a> IXL: <a href="#">Write a Rule for a Function Table</a> IXL: <a href="#">Find Slope from an Equation</a> IXL: <a href="#">Find Slope from Two Points</a> NLVM: <a href="#">Grapher</a></p>