

# The “Big” Ideas

## The Most Crucial Topics Taught at Each Grade Span

Grades Pre K – 2	Grades 3 – 5	Grades 6 – 8	Grades 9 – 12
<ul style="list-style-type: none"> <li>▪ Number Conceptualization</li> <li>▪ Conceptual Understanding of 2D space</li> <li>▪ Identifying &amp; Extending Patterns</li> <li>▪ Interpreting &amp; Communicating Data</li> </ul>	<ul style="list-style-type: none"> <li>▪ Multiplicative Reasoning</li> <li>▪ Computational Fluency</li> <li>▪ Equivalence (Including Measurement)</li> <li>▪ Data Analysis</li> <li>▪ Algebraic Reasoning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Rational Numbers: Fractions, Decimals, Percents</li> <li>▪ Geometry</li> <li>▪ Data, Probability, &amp; Statistics</li> <li>▪ Functions &amp; Rates of Change</li> </ul>	<ul style="list-style-type: none"> <li>▪ Number Sense</li> <li>▪ Problems Solving / Applying Math Skills</li> <li>▪ Communication &amp; Representation</li> </ul>

## The “Big” Ideas Common Across all Grade Spans: Number Sense & Data Analysis/Representation

