

## MATHEMATICS – GRADE 3 CONCEPTS BY QUARTER

During the 3<sup>rd</sup> grade year, your child will encounter the following skills and concepts in the **Mathematics Classroom**:

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
<b>PROBLEM SOLVING</b>	<ul style="list-style-type: none"> <li>Look for and make use of structure</li> <li>Attend to precision</li> <li>Use appropriate tools strategically</li> <li>Make sense of problems and persevere in solving them</li> <li>Model with mathematics</li> </ul>			
<b>MATHEMATICAL COMMUNICATION</b>	<ul style="list-style-type: none"> <li>Construct viable arguments and critique the reasoning of others</li> <li>Reason abstractly and quantitatively</li> <li>Look for and express regularity in repeated reasoning</li> </ul>			
<b>NUMBERS AND OPERATIONS</b>	<ul style="list-style-type: none"> <li>Solve problems in adding, subtracting and multiplying</li> <li>Solve multi-digit problems</li> <li>Identify and explain patterns</li> </ul>	<ul style="list-style-type: none"> <li>Develop an understanding of fractions</li> </ul>	→	→
<b>OPERATIONS &amp; ALGEBRAIC THINKING</b>	<ul style="list-style-type: none"> <li>Solve problems using multiplication</li> <li>Understand that multiplication and division are related</li> </ul>	<ul style="list-style-type: none"> <li>Solve problems using division</li> <li>Understand that multiplication and division are related</li> <li>Demonstrate multiplication and division fluency</li> </ul>	→	→
<b>GEOMETRY</b>	N/A	N/A	<ul style="list-style-type: none"> <li>Identify, compare and classify shapes</li> <li>Relate shapes, fractions and area</li> </ul>	→
<b>MEASUREMENT &amp; DATA</b>	<ul style="list-style-type: none"> <li>Read and display using line plots, bar graphs, tally charts, pictographs and tables</li> </ul>	→	<ul style="list-style-type: none"> <li>Tell time to the nearest minute and solve problems involving time</li> <li>Solve problems involving measurement of temperature, liquid volume, mass or length</li> <li>Find and understand perimeter and area of polygons</li> <li>Find the area of a rectangle</li> </ul>	→

*Skills are on-going; the concepts are listed in the quarter they are introduced.*