

MATHEMATICS – GRADE 4 CONCEPTS BY QUARTER

During the 4th grade year, your child will encounter the following skills and concepts in the **Mathematics** Classroom:

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
PROBLEM SOLVING	<ul style="list-style-type: none"> Look for and make use of structure Attend to precision Use appropriate tools strategically Make sense of problems and persevere in solving them Model with mathematics 			
MATHEMATICAL COMMUNICATION	<ul style="list-style-type: none"> Construct viable arguments and critique the reasoning of others Reason abstractly and quantitatively Look for and express regularity in repeated reasoning 			
NUMBERS AND OPERATIONS	<ul style="list-style-type: none"> Apply place value concepts using whole numbers Use place value understanding to solve problems 	<ul style="list-style-type: none"> Order fractions Understand equivalent fractions 	<ul style="list-style-type: none"> Build fractions from unit fractions Understand the connection between decimals and fractions 	<ul style="list-style-type: none"> Use place value understanding and properties of operations to perform multi-digit arithmetic
OPERATIONS & ALGEBRAIC THINKING	<ul style="list-style-type: none"> Solve problems involving the 4 operations 	<ul style="list-style-type: none"> Find factors and multiples Analyze patterns using a rule 	→	<ul style="list-style-type: none"> Represent and solve problems involving the four operations
GEOMETRY	N/A	N/A	<ul style="list-style-type: none"> Draw lines and angles; identify them in 2D shapes Classify 2D shapes Draw lines of symmetry; recognize symmetric shapes 	→
MEASUREMENT & DATA	N/A	N/A	<ul style="list-style-type: none"> Solve problems involving measurement and conversions (larger unit to a smaller unit) 	<ul style="list-style-type: none"> Measure and use angles to solve problems

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