My Child's Learning - A Family Resource
Grade 3 Mathematics - At A Glance

Organizing Idea	Grade 3 Learning Outcome	Highlights of your Child's Learning *(by the end of Grade 3)*
Number	Students interpret place value within 100 000.	• Understand and identify the place value of each digit in a number • Write numbers using words and numerals • Compare, order and round numbers • Identify the value of a collection of coins and/or bills in cents and in dollars • Recognize French and English ways of representing dollars and cents
	Students apply strategies for addition and subtraction within 1000.	• Add and subtract 2-digit number and 3-digit numbers and solve problems using addition and subtraction • Understand that different addition and subtraction strategies are used depending on the numbers involved • Use standard algorithms to add and subtract • Estimate sums and differences
	Students analyze and apply strategies for multiplication and division within 100.	• Recall multiplication number facts (up to 10x10) and related division facts. Solve problems using multiplication and division
	Students interpret fractions in relation to one whole.	• Model fractions in a variety of ways (limited to denominators of 12 or less) • Name fractions and identify numerators and denominators • Compare fractions with different numerators and the same denominator, as well as fractions with the same numerator and different denominators • Compare fractions to benchmarks of 0, ½ and 1 and identify where fractions less than 1 fit on a number line

Algebra	Students illustrate equality with equations.	• Understand and represent equality in an equation • Work with equations that have an unknown number and solve for the unknown number
Geometry	Students relate geometric properties to shape.	• Investigate regular and irregular polygons • Sort polygons based on the positions of the sides and the size of the angles of the vertices (corners) • Examine how a polygon's properties do not change even when the polygon goes through a translation (slide), rotation (turn), or reflection (flip)
Measurement	Students determine length using standard units.	• Understand the relationship between millimetres, centimetres, and metres • Understand the relationship between inches, feet and yards • Estimate and measure lengths in metric and imperial units • Determine the perimeter of a polygon
	Students interpret angles.	• Recognize angles in daily life • Compare angles through different methods
Patterns	Students analyze patterns in numerical sequences.	• Recognize familiar number sequence of numbers (a list of terms arranged in a certain order) including the sequence of even or odd numbers • Know the difference between sequences that end (finite) and sequences that never end (infinite) • Recognize skip-counting sequences and determine missing numbers
Time	Students analyze patterns in numerical sequences.	• Investigate the relationship between seconds, minutes, and hours using an analog clock • Read time to the minute. Understand a.m. and p.m. • Tell time using a 24-hour clock

Statistics	Students interpret and explain representations of data.	• Create questions in order to collect data • Collect and interpret data using a variety of identified graphs • Examine First Nations, Métis, or Inuit representations of data

For additional resources to support your math learner:
[Doing Mathematics with Your Child, Kindergarten to Grade 6, A Parent Guide]
[Helping Your Child Learn Math: A Parent's Guide]
[Doing Mathematics with Your Child, Kindergarten to Grade 6, A Parent Guide]