

NUMBER
<p><b>General Outcome</b>  <i>Develop number sense.</i></p>
<p>6.N.1. Demonstrate an understanding of place value for numbers</p> <ul style="list-style-type: none"> <li>■ greater than one million</li> <li>■ less than one-thousandth</li> </ul> <p>[C, CN, R, T]</p> <p>6.N.2. Solve problems involving large numbers, using technology.                      [ME, PS, T]</p> <p>6.N.3. Demonstrate an understanding of factors and multiples by</p> <ul style="list-style-type: none"> <li>■ determining multiples and factors of numbers less than 100</li> <li>■ identifying prime and composite numbers</li> <li>■ solving problems involving factors or multiples</li> </ul> <p>[PS, R, V]</p> <p>6.N.4. Relate improper fractions to mixed numbers.                      [CN, ME, R, V]</p> <p>6.N.5. Demonstrate an understanding of ratio, concretely, pictorially, and symbolically.                      [C, CN, PS, R, V]</p> <p>6.N.6. Demonstrate an understanding of percent (limited to whole numbers), concretely, pictorially, and symbolically.                      [C, CN, PS, R, V]</p> <p>6.N.7. Demonstrate an understanding of integers, concretely, pictorially, and symbolically.                      [C, CN, R, V]</p>

<p>6.N.8. Demonstrate an understanding of multiplication and division of decimals (involving 1-digit whole-number multipliers, 1-digit natural number divisors, and multipliers and divisors that are multiples of 10), concretely, pictorially, and symbolically, by</p> <ul style="list-style-type: none"> <li>■ using personal strategies</li> <li>■ using the standard algorithms</li> <li>■ using estimation</li> <li>■ solving problems</li> </ul> <p>[C, CN, ME, PS, R, V]</p> <p>6.N.9. Explain and apply the order of operations, excluding exponents (limited to whole numbers).                      [CN, ME, PS, T]</p>
PATTERNS AND RELATIONS
<p><b>General Outcome</b>  <i>Use patterns to describe the world and solve problems.</i></p>
<p>6.PR.1. Demonstrate an understanding of the relationships within tables of values to solve problems.                      [C, CN, PS, R]</p> <p>6.PR.2. Represent and describe patterns and relationships using graphs and tables.                      [C, CN, ME, PS, R, V]</p>
<p><b>General Outcome</b>  <i>Represent algebraic expressions in multiple ways.</i></p>
<p>6.PR.3. Represent generalizations arising from number relationships using equations with letter variables.                      [C, CN, PS, R, V]</p> <p>6.PR.4. Demonstrate and explain the meaning of preservation of equality, concretely, pictorially, and symbolically.                      [C, CN, PS, R, V]</p>

SHAPE AND SPACE
<p><b>General Outcome</b>  <i>Use direct or indirect measurement to solve problems.</i></p>
<p>6.SS.1. Demonstrate an understanding of angles by</p> <ul style="list-style-type: none"> <li>■ identifying examples of angles in the environment</li> <li>■ classifying angles according to their measure</li> <li>■ estimating the measure of angles using 45°, 90°, and 180° as reference angles</li> <li>■ determining angle measures in degrees</li> <li>■ drawing and labelling angles when the measure is specified</li> </ul> <p>[C, CN, ME, V]</p> <p>6.SS.2. Demonstrate that the sum of interior angles is</p> <ul style="list-style-type: none"> <li>■ 180° in a triangle</li> <li>■ 360° in a quadrilateral</li> </ul> <p>[C, R]</p> <p>6.SS.3. Develop and apply a formula for determining the</p> <ul style="list-style-type: none"> <li>■ perimeter of polygons</li> <li>■ area of rectangles</li> <li>■ volume of right rectangular prisms</li> </ul> <p>[C, CN, PS, R, V]</p>

<p><b>General Outcome</b>  <i>Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.</i></p>
<p>6.SS.4. Construct and compare triangles, including</p> <ul style="list-style-type: none"> <li>■ scalene</li> <li>■ isosceles</li> <li>■ equilateral</li> <li>■ right</li> <li>■ obtuse</li> <li>■ acute</li> </ul> <p>in different orientations.                      [C, PS, R, V]</p> <p>6.SS.5. Describe and compare the sides and angles of regular and irregular polygons.                      [C, PS, R, V]</p>
<p><b>General Outcome</b>  <i>Describe and analyze position and motion of objects and shapes.</i></p>
<p>6.SS.6. Perform a combination of transformations (translations, rotations, or reflections) on a single 2-D shape, and draw and describe the image.                      [C, CN, PS, T, V]</p> <p>6.SS.7. Perform a combination of successive transformations of 2-D shapes to create a design, and identify and describe the transformations.                      [C, CN, T, V]</p> <p>6.SS.8. Identify and plot points in the first quadrant of a Cartesian plane using whole-number ordered pairs.                      [C, CN, V]</p> <p>6.SS.9. Perform and describe single transformations of a 2-D shape in the first quadrant of a Cartesian plane (limited to whole-number vertices).                      [C, CN, PS, T, V]</p>

STATISTICS AND PROBABILITY
<p><b>General Outcome</b>  <i>Collect, display, and analyze data to solve problems.</i></p>
<p>6.SP.1. Create, label, and interpret line graphs to draw conclusions.                      [C, CN, PS, R, V]</p> <p>6.SP.2. Select, justify, and use appropriate methods of collecting data, including</p> <ul style="list-style-type: none"> <li>■ questionnaires</li> <li>■ experiments</li> <li>■ databases</li> <li>■ electronic media</li> </ul> <p>[C, PS, T]</p> <p>6.SP.3. Graph collected data and analyze the graph to solve problems.                      [C, CN, PS]</p>
<p><b>General Outcome</b>  <i>Use experimental or theoretical probabilities to represent and solve problems involving uncertainty.</i></p>
<p>6.SP.4. Demonstrate an understanding of probability by</p> <ul style="list-style-type: none"> <li>■ identifying all possible outcomes of a probability experiment</li> <li>■ differentiating between experimental and theoretical probability</li> <li>■ determining the theoretical probability of outcomes in a probability experiment</li> <li>■ determining the experimental probability of outcomes in a probability experiment</li> <li>■ comparing experimental results with the theoretical probability for an experiment</li> </ul> <p>[C, ME, PS, T]</p>