

NUMBER
<p>General Outcome <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"> ■ greater than one million ■ less than one-thousandth <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"> ■ determining multiples and factors of numbers less than 100 ■ identifying prime and composite numbers ■ solving problems involving factors or multiples <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"> ■ using personal strategies ■ using the standard algorithms ■ using estimation ■ solving problems <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>General Outcome <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>General Outcome <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>General Outcome <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"> ■ identifying examples of angles in the environment ■ classifying angles according to their measure ■ estimating the measure of angles using 45°, 90°, and 180° as reference angles ■ determining angle measures in degrees ■ drawing and labelling angles when the measure is specified <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"> ■ 180° in a triangle ■ 360° in a quadrilateral <p>[C, R]</p> <p>6.SS.3. Develop and apply a formula for determining the</p> <ul style="list-style-type: none"> ■ perimeter of polygons ■ area of rectangles ■ volume of right rectangular prisms <p>[C, CN, PS, R, V]</p>

<p>General Outcome <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"> ■ scalene ■ isosceles ■ equilateral ■ right ■ obtuse ■ acute <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>General Outcome <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>General Outcome <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"> ■ questionnaires ■ experiments ■ databases ■ electronic media <p>[C, PS, T]</p> <p>6.SP.3. Graph collected data and analyze the graph to solve problems. [C, CN, PS]</p>
<p>General Outcome <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"> ■ identifying all possible outcomes of a probability experiment ■ differentiating between experimental and theoretical probability ■ determining the theoretical probability of outcomes in a probability experiment ■ determining the experimental probability of outcomes in a probability experiment ■ comparing experimental results with the theoretical probability for an experiment <p>[C, ME, PS, T]</p>