

Number
General Outcome <i>Develop number sense.</i>
5.N.1. Represent and describe whole numbers to 1 000 000. [C, CN, T, V]
5.N.2. Apply estimation strategies, including <ul style="list-style-type: none"> • front-end rounding • compensation • compatible numbers in problem-solving contexts. [C, CN, ME, PS, R, V]
5.N.3. Determine multiplication facts (to 81) and related division facts. [C, CN, ME, R, V]
5.N.4. Apply mental mathematics strategies for multiplication, such as <ul style="list-style-type: none"> • annexing then adding zeroes • halving and doubling • using the distributive property. [C, ME, R]
5.N.5. Demonstrate an understanding of multiplication (2-digit numerals by 2-digit numerals), to solve problems. [C, CN, PS, V]
5.N.6. Demonstrate an understanding of division (3-digit numerals by 1-digit numerals) with and without concrete materials, and interpret remainders to solve problems. [C, CN, PS]
5.N.7. Demonstrate an understanding of fractions by using concrete and pictorial representations to <ul style="list-style-type: none"> • create sets of equivalent fractions • compare fractions with like and unlike denominators. [C, CN, PS, R, V]
5.N.8. Describe and represent decimals (tenths, hundredths, and thousandths) concretely, pictorially, and symbolically. [C, CN, R, V]
5.N.9. Relate decimals to fractions (tenths, hundredths, thousandths). [CN, R, V]

Number (cont.)
5.N.10. Compare and order decimals (tenths, hundredths, thousandths), by using <ul style="list-style-type: none"> • benchmarks • place value • equivalent decimals. [CN, R, V]
5.N.11. Demonstrate an understanding of addition and subtraction of decimals (limited to thousandths). [C, CN, PS, R, V]

Statistics and Probability
General Outcome <i>Collect, display, and analyze data to solve problems.</i>
5.SP.1. Differentiate between first-hand and second-hand data. [C, R, T, V]
5.SP.2. Construct and interpret double bar graphs to draw conclusions. [C, PS, R, T, V]
General Outcome <i>Use experimental or theoretical probabilities to represent and solve problems involving uncertainty.</i>
5.SP.3. Describe the likelihood of a single outcome occurring using words, such as <ul style="list-style-type: none"> • impossible • possible • certain. [C, CN, PS, R]
5.SP.4. Compare the likelihood of two possible outcomes occurring using words, such as <ul style="list-style-type: none"> • less likely • equally likely • more likely. [C, CN, PS, R]

Shape and Space
General Outcome <i>Use direct or indirect measurement to solve problems.</i>
5.SS.1. Design and construct different rectangles given either perimeter or area, or both (whole numbers), and draw conclusions. [C, CN, PS, R, V]
5.SS.2. Demonstrate an understanding of measuring length (mm) by <ul style="list-style-type: none"> • selecting and justifying referents for the unit mm • modelling and describing the relationship between mm and cm units, and between mm and m units. [C, CN, ME, PS, R, V]
5.SS.3. Demonstrate an understanding of volume by <ul style="list-style-type: none"> • selecting and justifying referents for cm^3 or m^3 units • estimating volume by using referents for cm^3 or m^3 • measuring and recording volume (cm^3 or m^3) • constructing rectangular prisms for a given volume. [C, CN, ME, PS, R, V]
5.SS.4. Demonstrate an understanding of capacity by <ul style="list-style-type: none"> • describing the relationship between mL and L • selecting and justifying referents for mL or L units • estimating capacity by using referents for mL or L • measuring and recording capacity (mL or L). [C, CN, ME, PS, R, V]
General Outcome <i>Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.</i>
5.SS.5. Describe and provide examples of edges and faces of 3-D objects, and sides of 2-D shapes that are <ul style="list-style-type: none"> • parallel • intersecting • perpendicular • vertical • horizontal. [C, CN, R, T, V]
5.SS.6. Identify and sort quadrilaterals, including: <ul style="list-style-type: none"> • rectangles • squares • trapezoids • parallelograms • rhombuses according to their attributes. [C, R, V]

Shape and Space (cont.)
General Outcome <i>Describe and analyze position and motion of objects and shapes.</i>
5.SS.7. Perform a single transformation (translation, rotation, or reflection) of a 2-D shape and draw and describe the image. [C, CN, T, V]
5.SS.8. Identify a single transformation (translation, rotation, or reflection) of 2-D shapes. [C, T, V]

Patterns and Relations
General Outcome <i>Use patterns to describe the world and solve problems.</i>
5.PR.1. Determine the pattern rule to make predictions about subsequent elements. [C, CN, PS, R, V]
General Outcome <i>Represent algebraic expressions in multiple ways.</i>
5.PR.2. Solve problems involving single-variable (expressed as symbols or letters), one-step equations with whole-number coefficients and whole-number solutions. [C, CN, PS, R]

Processes:

- C – Communication
- PS – Problem Solving
- V – Visualization

- CN – Connections
- R – Reasoning

- ME – Mental Mathematics and Estimation
- T – Technology