

GRADE 6

Number Sense and Numeration:

- Show and order numbers to 1,000,000
- Understand the concept of place value to thousandths
- Compare and order fractional amounts with unlike denominators
- Estimate 10%, 25%, 50%, and 75% of a quantity
- Add and subtract decimal amounts to thousandths
- Multiply and divide four-digit whole numbers by two-digit whole numbers
- Multiply and divide decimals to tenths by whole numbers by two-digit whole numbers
- Divide three-digit whole numbers by one-digit whole numbers
- Apply order of operations in expressions without brackets
- Connect simple fractions, decimals, and percents

Measurement:

- Measure quantities using metric units
- Convert from larger to smaller metric units, including square metres to square centimetres
- Develop and apply area relationships for a parallelogram and a triangle
- Develop and apply the volume relationships for a triangular prism
- Determine and apply surface area relationships for rectangular and triangular prisms
- Compare square metres and square centimetres

Geometry and Spatial Sense:

- Classify quadrilaterals by geometric properties
- Sort polygons by lines of symmetry and by rotational symmetry
- Measure angles to 180° with a protractor
- Construct polygons
- Show figures using views and isometric sketches
- Perform and describe rotations
- Plot points in the first quadrant

Patterning and Algebra:

- Show patterns using ordered pairs and graphs
- Describe pattern rules in words
- Calculate any term when given the term number
- Investigate variables as changing quantities
- Solve math problems using concrete materials and guess and check

Data Management and Probability:

- Collect and organize discrete and continuous data
- Display data using continuous line graphs
- Select appropriate graphical representations
- Use continuous line graphs and mean to compare sets of data
- Find theoretical probabilities
- Predict the frequency of an outcome based on the theoretical probability

