

Math 9

Topics covered in Math 9

The complete Math 9 curriculum can be found at this website: <https://curriculum.gov.bc.ca/curriculum/mathematics/9>

Number	Powers and whole number exponents Operations with rational numbers Order of operations including exponents Square roots of positive and rational numbers that are non-perfect squares
Patterns	Number patterns using linear equations using distribution, coefficients and constants Graph linear relations
Relations	Linear relations using interpolation and extrapolation Polynomials Addition, subtraction, multiplication, and division of polynomials
Shape & Space	Surface area of composite 3-D objects Similarity of polygons Scale diagrams of 2-D shapes
Statistics & Probability	Data collection Population sampling Probability
Banking & Budgeting	Budgets & transactions Types of Income & expenses Introduction to investing

Materials:

MathLinks9 text

Homework notebook

Blue or black ballpoint pen

Red pen for marking

Lots of HB pencils

Eraser (White Staedler type is best.)

30cm ruler (One with inches and centimeters is best.)

Scientific calculator (You will need square root and x^2 keys.)

A big binder with tons of lined paper **dedicated to math only.**

At home: graph paper, colored pencils, a quiet place to do homework.

Evaluation:

Tests, problem-solving challenges, assignments, quizzes and a final exam will make up the bulk of your grade 8 math mark.

Tests cannot be written until all assigned work for a given chapter is complete.

This is what good work habits look like:

You attend class regularly.

You are on time for class with required supplies and completed homework.

You submit assignments on time and catch up on missed work as soon as possible.

You respect others.

You use class time efficiently.

You use classroom equipment responsibly.

You clean up your personal work area and classroom common areas.

You obey reasonable requests made by the teacher.

This is what good math work looks like:

Your written work begins with a page heading that includes

a title,

date,

your name,

page and question numbers for textbook work.

Your work is legible. Numerical work is written in pencil while prose work is written in pen.

You communicate your solution process clearly by writing out each step in your solution process and including the associated unit with the answer.