

MATERIAL COVERED

The Math 10 Principles course is divided into three main sections:

Numbers

- Number sequences
- Real numbers
- Statistics and probability

Coordinate Geometry and Trigonometry

- Line segments
- Straight lines
- Trigonometry

Algebra

- Functions
- Polynomials
- Rational Expressions

TEXTBOOK

The course uses either of the following:

Mathematics 10 (Western Canadian Edition)

(ISBN 0-201-34619-2, Addison Wesley)

Mathpower 10 (Western Edition)

(ISBN 0-07-552596-8, McGraw-Hill Ryerson)

GRADING

This course works on a mastery system. You must pass the mastery tests in each unit to the 80% level before you can go on. In addition, there are cumulative tests from time to time. These are tests you can take only once, so studying before them is essential to do well. Your final mark for the course is based 60% on mastery tests and 40% on cumulative tests.

GOAL

The goal of this unit is to increase your skills with number sequences.

OBJECTIVES

While completing this unit you will investigate the following topics and practice working with

- Arithmetic growth
- Geometric growth
- Number sequences

WHAT TO DO IN THIS UNIT

- Follow the column for the textbook you are using. Read and follow the example problems at the beginning of each section, then do the practice problems on the pages in the table below. Be sure to tick off each section as you complete it.

Mathpower 10			Mathematics 10		
✓	Unit	Practice by doing these questions	✓	Unit	Practice by doing these questions
	2.1	p.57 #1-9, 14, 17		1.1	p.7 #1-3, 5-6, 8-12
	2.3	p.66 odds #1-47		1.2	p.13 odds
	2.4	p.70 #4, 8-10		1.3	p.20 #1-5, 7, 9-10, 12, 14, 16
	2.5	p.74 evens		1.4	p.27 #1-3, 5, 8-10, 12
	2.7	p.82 odds, but don't do 15, 21, 27		1.6	p.40 #1-6 and 8-9
				1.7	p.50 #1-6, p. 53 #1-2
				1.8	p.58 #1-6, 8-14

- When you are ready, ask your teacher for the Unit 1 Test. Remember, you must get 80% to pass, so studying hard is essential to do well.