

# MFM 1P

## Overall Ministry Expectations

### Foundations of Mathematics

#### Grade 9 - Applied

#### Number Sense and Algebra

- ⇒ solve problems involving proportional reasoning
- ⇒ simplify numerical and polynomial expressions in one variable, and solve simple first-degree equations

#### Linear Relations

- ⇒ apply data-management techniques to investigate relationships between two variables
- ⇒ determine the characteristics of linear equations
- ⇒ demonstrate an understanding of constant rate of change and its connection to linear relations
- ⇒ connect various representations of a linear relation, and solve problems using the representations

#### Measurement and Geometry

- ⇒ determine, through investigation, the optimal values of various measurements of rectangles
- ⇒ solve problems involving the measurement of two-dimensional shapes and the volumes of three-dimensional figures
- ⇒ determine, through investigation facilitated by dynamic geometry software, geometric properties and relationships involving two-dimensional shapes, and apply the results to solving problems

