

# Mathematics A

Catalogue Number	3135-0000
Category	Math
Duration	15 Hours

## Lesson 2: The Number Line and Number Systems: Natural Numbers, Integers, Rational Numbers, Irrational Numbers, and Real Numbers

A number line is a graphical representation of a range of numbers that shows their relative values in spatial form. Number lines are useful for visualizing the different number types, for ordering numbers, and for understanding basic arithmetic operations such as addition and subtraction.

By the end of this lesson, you will be able to:

- Model addition and subtraction problems using a number line.
- Locate a number on the number line.
- Read a number from the number line.
- Define number types such as natural numbers, integers, rational, irrational, and real numbers.
- Identify which category (or categories) a given number is in.
- Put numbers of different types (negatives, fractions, irrationals) in order.
- Choose a number that is between any given  $x$  and  $y$ .