Mathematics C

Catalogue Number	3137-0000
Category	Math
Duration	15 Hours

Lesson 1: Operations on Monomials and Polynomials

This lesson introduces the concept of a monomial, namely, an algebraic expression that contains only one term. A term is a number, a variable, or the product of a number and one or more letters (variables). You will learn how to add, subtract, multiply and divide monomials, including working with negative exponents. You will also learn how to translate a real-life problem into monomial notation. Once you have mastered monomials you will learn how to work with polynomials. A polynomial is an expression consisting of one or more monomials. Similarly to the monomials, you will learn how to add, subtract, multiply and divide polynomials.

In this lesson, we will cover the following topics:
- What are monomials?
- Adding and subtracting monomials
- Multiplying monomials
- Dividing monomials
- Working with negative exponents
- What are polynomials?
- Adding and subtracting polynomials
- Multiplying polynomials
- Dividing polynomials by monomials

In each section, you will learn a new technique by working through an example, and then applying what you have learnt to a similar problem. Step-by-step solutions are provided.