

Pointers to Review in Mathematics 7
Second Quarter

NUMBERS AND NUMBER SENSE

Introduction to Measurement

1. Concept of Measurement
2. Development of Measurement

Conversion of Units

1. Length
2. Area
3. Volume
4. Mass
5. Time
6. Temperature

PATTERNS AND ALGEBRA

Fundamental Algebra

1. Algebraic Notations
2. Algebraic Expressions
3. Polynomials
4. Degree of a Polynomial
5. Expressing Mathematical Relationships Using Algebra
6. Evaluation of Algebraic Expressions
7. Addition of Linear Expressions
8. Subtraction of Linear Expressions
9. Further Addition and Subtraction of Linear Expressions

Expansion and Simplification of Linear Expressions

1. Negative of a Linear Expression
2. Sums involving the Negative of a Linear Expression

Exponents

1. Index Notation
2. Laws of Exponent
3. Zero and Negative Indices

Quadratic Expressions

1. Representation of Quadratic Expressions
2. Addition and Subtraction of Quadratic Expressions
3. Negative of a Quadratic Expression

Expansion and Simplification of Algebraic Expressions

1. Product of Monomials
2. Product of a Monomial and a Polynomial
3. Product of two Polynomials

Expansion Using Special Algebraic Identities

Division of Algebraic Expressions

1. Division of a Polynomial by a Monomial
2. Division of a Polynomial by Another Polynomial