



MATHEMATICS 5 Topic Outline

First Quarter

Chapter 1: Whole Numbers

1. Numbers 0 to 1 000 000 000
2. Approximation and Estimation
3. Factors
4. Multiples
5. Divisibility Rules
6. Number Patterns

Chapter 2: Multiplication and Division of Whole Numbers

1. Multiplying by Tens, Hundreds or Thousands
2. Dividing by Tens, Hundreds or Thousands
3. Order of Operations
4. Multiplication
5. Division
6. Problem Solving



MATHEMATICS 5

Topic Outline

Second Quarter

Chapter 3: Fractions

1. Fractions and Divisions
2. Addition and Subtraction of Unlike Fractions
3. Addition and Subtraction of Mixed Numbers
4. Product of Fractions and Mixed Number

Chapter 3: Fractions

5. Division of Fractions by Whole Numbers
6. Division of Whole Numbers by Fractions
7. Problem Solving



MATHEMATICS 5 Topic Outline

Third Quarter

Chapter 4: Angles

1. Angle Properties
2. Finding Unknown Measures of Angles
3. Problem Solving

Chapter 5: Triangles and Four-sided Figures

1. Angle Measures of Triangle
2. Isosceles and Equilateral Triangles
3. Drawing triangles
4. Four-sided Figures
5. Drawing Four-sided Figures
6. Problem Solving

Chapter 6: Ratio

1. Finding Ratio
2. Problem Solving
3. Equivalent Ratios
4. Comparing Three Quantities



MATHEMATICS 5

Topic Outline

Fourth Quarter

Chapter 7: Probability

1. Theoretical and Experimental Probability

Problem Solving

Chapter 8: Decimals

1. Ten Thousandths
2. Approximation
3. Addition and Subtraction of Decimals
4. Multiplications by tens, hundreds or thousands
5. Division by tens, hundreds or thousands
6. Multiplication by 2-digit Whole Numbers
7. Multiplication of Decimals
8. Conversion of Measurements
9. Problem Solving

Chapter 9: Percent

1. Percent
2. Expressing Fractions as Percents
3. Percentage of a Quantity
4. Problem Solving

Chapter 10: Average

1. Understanding Average
2. Problem Solving

Chapter 11: Rate

1. Rate
2. Problem Solving

Chapter 12: Polygons

1. Naming and Describing Polygons
2. Congruent Polygons

Chapter 13: Area of Triangles and Quadrilaterals

1. Area of Triangles
2. Area of Quadrilaterals
3. Problem Solving

Chapter 14: Tessellations

1. Tiling Patterns
2. Making More Tessellations
3. Problem Solving

Chapter 15: Solids



PAREF Southcrest

1. Identifying Solids
2. Problem Solving

Chapter 16: Volume

1. Units of Volume
2. Volume of a Cuboid and of Liquid
3. Cubes and Cuboid
4. Problem Solving

Chapter 17: Algebra

1. Algebraic Expressions

Chapter 18: Temperature

1. Measuring Temperatures
2. Problem Solving