New Elementary Mathematics 1 – Syllabus D

Table of Contents

- Evaluation of Formulae
- Algebraic Problems

7. Rate, Ratio and Percentage
- Rate and Speed
- Ratio
- Direct and Inverse Proportions
- Percentage
- Applications of Percentages

8. Solving Problems Involving Financial Transactions
- Earnings, Profit and Loss, Commissions and Discounts
- Interest and Hire Purchase
- Taxation and Money Exchange

9. Introducing Geometry
- Line Segment, Line and Angles
- Angle Properties Related to Straight Lines
- Perpendicular and Parallel Lines
- Angle Properties Related to Parallel Lines

10. Polygons
- Triangles
- Angle Properties of a Triangle
- Isosceles and Equilateral Triangles
- Angle Properties of a Polygon
- Quadrilaterals
- Properties of Quadrilaterals

11. Symmetries and Nets Of Solid Figures
- Line Symmetry
- Rotational Symmetry
- Patterns
- Symmetries of Solid Figures
- Nets of Solid Figures

12. Area and Perimeter
- Perimeter and area of Polygon
- Circumference and Area of Circle
- More Problems on Area and Perimeter

13. Volume and Surface Area of Prism and Cylinder
- Cylinder
- Density
- More Problems on Volume and Surface Area

14. Similarity and Congruence
- Similar and Congruent Figures
- Designs and Tessellations
- Scale Drawing