

**FIRST TERM EXAMINATION JANUARY 2021**  
**YEAR 7 – MATHEMATICS PORTIONS**  
**( NON CALCULATOR)**

**MARKS : 75**

**TIME: 1 ½ HOURS**

**KS3 MATHS PROGRESS - DELTA 1**

**Unit 2 – Number Skills**

- 2.1 – Factors, primes and multiples
- 2.2 – Using negative numbers
- 2.4 – Squares and square roots
- 2.5 – More powers and roots

**Unit 3 – Equations, Functions and Formulae**

- 3.1 – Simplifying algebraic expressions
- 3.2 – Writing algebraic expressions
- 3.3 – STEM: Using formulae
- 3.4 – Writing formulae
- 3.5 – Brackets and powers
- 3.6 – Factorising expressions

**Unit 4 – Fractions**

- 4.1 – Working with fractions
- 4.2 – Adding and subtracting fractions
- 4.3 – Fractions, decimals and percentages
- 4.4 – Multiplying and dividing fractions
- 4.5 – Working with mixed numbers

**Unit 5 – Angles and shapes**

- 5.1 – Angles and parallel lines
- 5.2 – Triangles
- 5.3 – Quadrilaterals
- 5.4 – Polygons

**Unit 6 – Decimals**

- 6.1 – Ordering decimals

- 6.2 – Rounding decimals
- 6.3 – Adding and subtracting decimals
- 6.4 – Multiplying decimals
- 6.5 – Dividing decimals
- 6.6 – Fractions, decimals and percentages

### **Unit 7 – Equations**

- 7.1 – Solving one-step equations
- 7.2 – Solving two-step equations
- 7.3 – More complex equations

### **Unit 9 – Perimeter, area and volume**

- 9.1 – Triangles, parallelograms and trapeziums
- 9.2 – Perimeter and area of compound shapes
- 9.3 – Properties of 3D solids

### **Note:**

#### **Geometric Proof –**

- The sum of three angles in a triangle is  $180^0$
- The exterior angle of a triangle equal to the sum of the two interior opposite angles.

All the works done in PPT, notebook, textbook and worksheets.