

FIRST TERM EXAMINATION JANUARY 2022
YEAR 7 – MATHEMATICS PORTIONS
(NON CALCULATOR)

MARKS: 100

TIME: 2 HOURS

KS3 MATHS PROGRESS - DELTA 1

Unit 1- Analysing and Displaying data

1.2 - Averages and range

1.3 - Grouped data

1.4 -More graphs

1.5 - Pie charts

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 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

9.4 – Surface Area

9.5 - Volume

Note:

Geometric Proof –

- The angles of a triangle add up to 180° .
- Exterior angle of a triangle is equal to the sum of the two interior opposite angles.

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