YEAR 7 - MATHEMATICS FINAL EXAM PORTIONS 2021

Gl Progress Test in Math assesses pupil's current knowledge and skills appropriate to age related expectations.

GL PTM assesses

1. Mathematical content knowledge (full year portion)
2. Understanding and applying mathematical processes.

MATHEMATICAL CONTENT

Textbook:KS3 Maths Progress Delta 1

Unit 1 – Analyzing 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 – Square and square roots
2.5 – More powers and roots

Unit 3 - Equations, Functions and Formulae

3.1 – Simplifying algebraic expression
3.2 – Writing algebraic expression
3.3 – Using formulae
3.4 – Writing formulae
3.5 – Brackets and powers
3.6 – Factorizing expressions

Unit 4 – Fractions

4.1 – Working with fractions
4.2 – Adding and subtractions 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

Unit 8 – Multiplicative Reasoning

8.2 – Writing Ratios
8.3 – Sharing in a given Ratio
8.4 – Proportion
8.5 – Proportional Reasoning
8.6 – Using the Unitary method

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

Unit 10 – Sequences and Graphs

10.1 – Sequences
10.2 – The nth term
10.3 – Pattern Sequences

Textbook:KS3 Maths Progress Delta 2

Unit 3 – 2D shapes and 3D solids

3.2 – Surface area of prisms
3.3 – Volume of prisms
3.4 – Circumference of a circle
3.5 – Area of a circle

Unit 5 – Transformations

5.1 – Reflection and Translation
5.3 – Enlargement

Unit 8 – Probability

8.1 – Comparing probabilities
8.2 – Mutually Exclusive events
8.4 – Experimental probability
8.5 – Probability diagrams

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 work done in PPT, notebook, textbook and worksheets.