

# **MATHEMATICS PORTION 2021- 2022**

## **YEAR 5**

GL Progress Test in Math assesses pupils' current knowledge and skill appropriate to age related expectations

### **GL PTM assesses:**

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

### **MATHEMATICAL CONTENT**

#### **UNIT1 & 2: Place value within 1000,000**

- Rounding off
- Negative numbers
- Roman numerals
- Sequencing, Comparing & ordering

#### **UNIT 3: Addition and Subtraction**

- Addition and subtraction
- Estimate sum and difference
- Inverse operation

#### **UNIT 4: Graphs and Tables**

- Interpreting tables and graphs

#### **UNIT 5 & 7: Multiplication and Division**

- Factors and multiples
- Square, cube and prime numbers
- Inverse operation
- Multiplication and division

#### **UNIT 6: Perimeter and Area**

- Perimeter and area of square and rectangle
- Perimeter and AREA OF COMPOSITE FIGURES

#### **UNIT 8, 9 & 10: Fractions**

- Equivalent fractions
- Convert mixed numbers to improper fractions and vice versa.
- Comparing and ordering
- Addition, subtraction & multiplication
- Fraction of an amount

### **UNIT 11 & 12: Decimals and Percentage**

- Writing decimals
- Sequencing, ordering, comparing and rounding
- Equivalent fractions, decimal, and percentage
- Addition and subtraction
- Multiply and divide by 10 ,100,1000

### **UNIT 13,14 & 15: Geometry—Properties of shape, Position and direction**

- Measuring and drawing angles using protractor
- Calculate angles on a straight line and around a point.
- Parallel and perpendicular lines
- Regular irregular polygons
- 3D Shapes
- Reflection and Translation

### **UNIT 16 & 17: Measure: Converting units & volume**

- Metric units
- Units of time
- Timetables
- Calculate volume by counting cubes.

**Note: Refer Text book Power Math Book 5A, 5B, 5C and Practice book 5A,5B, 5C and all the resources posted in GC.**