Belmont
Mill Hill Preparatory School

YEAR 5 MATHS REVISION

The Test Paper Will Consist of:

2 written papers **(45 minutes each)**

This is a test of mathematics skills and the understanding of topics covered over the year. The test progresses through a variety of levels and types of questions that will test not only the retention of concepts learned but the ability to apply them to a number of different contexts. The first paper is a non-calculator paper, in the second a calculator may be used if appropriate.

Pupils will:

- Look carefully at the marks on offer for each question and whether they need to show their working out.

Teachers will:

- remind them of how much time they have left.
- be available to read questions to them if needed.
- Remind children that if they finish early they should go back and check their answers carefully.

Mental Arithmetic Paper

The questions are designed to assess mental recall and mental agility and could be based on any of the topics covered throughout the year. The test will be administered using a CD. Each question will be repeated twice and the recording must play without interruption. In the first section pupils are given 5 seconds in which to answer each of the questions. The time is then increased to 10 seconds per question and 15 seconds per question, in the second and third sections respectively. Questions will vary in difficulty.

Equipment needed:

- Sharp pencils (at least two)
- A ruler marked in centimetres and millimetres
- A rubber
- A calculator

Topics:

Multiplication tables and their inverses, with instant recall

Equivalent fractions and percentages

Percentages of an amount

Coordinates

Probability

Translations

Number sequences and patterns

Decimals on a number line

Fractions of amounts

Equivalent fractions

Ordering fractions

Interpreting data from frequency tables, bar graphs and line graphs

Properties of numbers

Place value to 4-digit numbers

Length (including being able to convert measure eg. cm to m, cm to mm)

Weight (including being able to convert measure eg. kg to g)

Capacity (including being able to convert measure eg. l to ml)

Column methods for addition, subtraction (including decimals for addition)

Short and long multiplication

Short division

Reading from scales

Time (calendars, time to the hour, past the hour in one minute intervals, changing analogue to digital and vice versa)

2D and 3D shapes and their properties

Area and perimeter

Angles

Sorting diagrams (Carroll and Venn Diagrams)

Reflective symmetry

Nets of basic 3D shapes

Negative numbers

Money

Rotation

References:

Websites – mymaths, mathszone, bbcrevisewise, primary resources.