

MATHS REVISION LIST: YEAR 5 Summer Term

The following concepts are desirable.

Paper A 45mins (Non-Calculator), Paper B 45mins (Calculator)

20 Question Mental Arithmetic test.

NUMBER

Understand place value to multiply and divide whole numbers by 10.

Use a range of mental and written methods of computation with the 4 operations .

Multiplication Tables to 10 x 10.

Multiplication of multiples of 10.

Negative numbers in contexts such as money, temperature and calculator displays.

Addition and subtraction of decimals to two places. Multiplication and division.

Multiplication and division of numbers to two places by numbers up to 9.

Multiplication and division with larger numbers.

Read calculator displays to the nearest whole number.

Fractions - equivalence, change fractions to decimals by using equivalence of tenths and hundredths. Mixed numbers and improper fractions.

Introduction to addition and subtraction of fractions.

Recognise and understand simple percentages.

ALGEBRA

Explore and describe number patterns.

Use terms such as multiple, factor and square. Prime numbers.

Express simple formulae in words. Functions and function machines using letters to represent unknowns.

Co-ordinates in the first quadrant. (All 4 quadrants).

SHAPES, SPACE and MEASURES.

Make 3-D mathematical models.

Nets of cubes, cuboids, prisms and pyramids.

Recognise and draw common 2-D shapes.

Line and rotational symmetry. Reflecting shapes in mirror lines.

Angles - Measuring and Drawing.

Recognise types of triangle - right-angled, equilateral and isosceles.

Perimeter of simple shapes.

Areas by counting squares and volumes by counting cubes. Use of formulae.

Use, with understanding, a range of measuring instruments.

Understand the relationship between the units of length, weight, capacity and time.

Time - use analogue and digital times. Introduction to 24-hour time. Simple durations.

Counting on and back. The calendar.

HANDLING DATA

Collect, group and order data using tallying methods. Creating a frequency table for grouped data.

Mean and Mode in everyday contexts. Calculate the Mean of a set of data.

Construct and interpret bar-line graphs and frequency tables. (Pie charts).

Understand and use simple vocabulary associated with probability. Introduction to the scale 0-1.