

LEVEL 5 MATHS



NUMBER



Whole Numbers:

I can....

- * Add two numbers together
- * Subtract one number from another
- * Estimate answers to calculations using approximate values
- * Perform long multiplication without a calculator
- * Perform long division without a calculator

Decimals:

I can....

- * Understand what place value is before and after the decimal point
- * Multiply and divide numbers by 10/100/1000 using the decimal point
- * Perform simple calculations with decimals using $+$ $-$ \times \div
- * Calculate answers to questions using the order of operations

Properties of Numbers:

I can....

- * Understand and calculate the factors of a number
- * Understand and calculate the multiples of a number
- * Describe what a prime number is, and know the prime numbers under 50
- * Write numbers in short form using indices
- * Write down square numbers and cubed numbers
- * Work out the square root of a number
- * Work out the cube root of a number
- * Work out the next number in a simple number pattern

Time:

I can....

- * Use the 12 and 24 hour clock
- * Add on simple times
- * Subtract simple times

Fractions and Percentages:

I can....

- * Find a fraction of something
- * Find percentage of something
- * Recognise different types of fraction

Negative Numbers:

I can....

- * Read scales and number lines including negative numbers
- * Put a group of negative numbers into order from smallest and largest
- * Use negative numbers in everyday situations (temperature)
- * Use a calculator with negative numbers confidently
- * Add and subtract negative numbers
- * Multiply and divide negative numbers



ALGEBRA



Expressions and formulae:

I can....

- * Simplify a group of letters by placing them into different piles
- * Turn a set of instructions into a Formula
- * Find the missing number in a problem using a formula
- * Expand a pair of brackets that has letters inside and numbers outside



SHAPE & SPACE



Angles:

I can....

- * Draw an angle of any size
- * Measure an angle of any size
- * Estimate the size of an angle
- * Name an angle using three letters from point to point
- * Name the types of angles using acute obtuse and reflex
- * Use compass directions

2D and 3D Shapes:

I can

- * Describe the line symmetry of a shape
- * Describe the rotational symmetry and shape
- * Describe the properties of a prism
- * Draw triangles given three sides
- * Unfold a shape to draw its net

Metric Measures:

I can....

- * Make a sensible estimate of a length/weight/ volume
- * Understand the effect of choosing a wrong degree of accuracy
- * Use imperial measures of length capacity and mass
- * Convert within the metric measurement system from one unit to another
- * Round a measurement sensibly by myself



DATA HANDLING



Collecting and organising data:

I can....

- * Perform data collection tally chart
- * Group data using a tally chart
- * Produce a questionnaire to perform a survey

Graphs and Charts:

I can....

- * Read a pie chart
- * Draw a simple pie chart
- * Draw a pictogram
- * Draw a bar chart and bar line chart

Probability:

I can....

- * Use a probability scale to show how likely something is to happen
- * List all the possible outcomes from an experiment
- * Estimate the probability of something happening after doing an experiment with coins/spinners
- * Write a probability using a fraction percentage or decimal
- * Understand equally likely outcomes
- * Understand that all probabilities must add up to one to take everything into account

Averages:

I can....

- * Work out the mean of a set of numbers
- * Work out the median of a set of numbers
- * Work out the mode of a set of numbers
- * Compare the different averages of a set of numbers