



Maths Topics for Little Bee: 8-11 Years Old

Mathematics knowledge test will assess the following topics:

Number and Place Value

Place value of digits up to thousands.

Using negative numbers in context.

Rounding numbers.

Estimating calculations.

Addition, Subtraction, Multiplication and Division

Understanding the four operations.

Multiplying and dividing numbers up to 6 digits by a single digit.

Formal written methods for calculations.

Fractions

Fractions as numbers.

Equivalent fractions.

Adding and subtracting fractions.

Multiplying fractions by whole numbers.

Decimals

Decimals as numbers

Decimal place value.

Converting between decimals, fractions, and percentages.

Ratio and Proportion

Understanding ratio and proportion.

Solving problems involving ratio and proportion.

Algebra

Simple formulae and algebraic notation.

Patterns and relationships.

Substitution and solving simple equations.

Problem-solving using algebraic reasoning.

Measurement

Standard units for length, mass, volume, temperature, and time.

Area and volume.

Converting between units.

Using compound units.

Geometry

Properties of 2D and 3D shapes.

Symmetry, congruence, and similarity.

Understanding and using lines and angles.

Statistics

Collecting and interpreting data.

Creating and interpreting graphs and charts.

Mean, mode, and median.

Probability basics.

Problem-Solving

Applying mathematical concepts and skills to real-life contexts.