

Maths Entrance Exam

The following topics may all be tested in the examination:-

Addition, subtraction, multiplication and division of whole numbers, fractions and decimals, including long multiplication and division.

Conversions between fractions, decimals and simple percentages.

The concepts of factors, multiples and prime numbers.

Negative numbers will only be in context.

Extending number sequences.

Fractional or simple percentage parts.

The construction of simple formulae involving one or two operations.

Simple problems involving ratio and direct proportion.

Simple language associated with angles will be assumed and the angle sum of a triangle and that of angles at a point .

The symmetries of 2D shapes.

Converting from one metric unit to another. .

Constructing reflections in horizontal or vertical lines

Formulas for the perimeter and areas of rectangles and triangles.

Problems involving the 24-hour clock.

The mean, median, mode and range of discrete data and very simple examples of probability.

Calculators are not allowed. The test is designed so that only the most outstanding candidates will finish, with the last few questions being designed to make them think in increasingly original situations. A typical able candidate will complete about 85% of the paper. Candidates are advised not to rush, but to take their time and work steadily; they should show what they can do rather than worry about what they cannot do.

English Entrance Test

The English Entrance Paper consists of two sections: comprehension and essay. The candidates are asked to answer shorter questions on a poem or a prose passage for the comprehension and are given a choice of questions for the essay. The paper is not designed to test any prior knowledge of specific terms but should be accessible to all applicants. The comprehension questions test vocabulary, inference, empathy and the ability to select appropriate information. Essay titles encourage imaginative, detailed answers and the candidates are asked to structure a response paying close attention to spelling, punctuation and grammar.