



**Ermysted's Grammar School Mathematics Faculty**  
**Year 10 Entrance Exam – Information for students**

The mathematics exam will include questions on the following:

**Topics**

Number: Solving problems with fractions, decimals and percentages, indices and standard form

Algebra: Factorising, rearranging, substituting values, solving linear equations and inequalities, solving simultaneous equations

Graphs: Straight lines and quadratic curves

Geometry and Measures: Calculating areas and perimeters of shapes including sectors of circles, and problems involving right-angled triangles with Pythagoras and trigonometry

Statistics: Averages and cumulative frequency graphs