

IB Applications SL & HL Summer Work Year 1

Complete the following Khan Academy Courses:

Topic 1: Number and algebra

[Rationalising the denominator](#)

[Expression of numbers in the form \$a \times 10^k\$, \$1 \leq a < 10\$, \$k \in \mathbb{Z}\$](#)

[Solving systems of linear equations in two variables](#)

[Addition and subtraction of algebraic fractions](#)

Topic 2: Functions

[Quadratics](#)

[Linear Functions](#)

Topic 3: Geometry and trigonometry

[All topics in this Khan course](#)

Topic 4: Statistics and probability

[The collection of data and its representation in bar charts, pie charts, pictograms, and line graphs](#)

[Calculating probabilities of simple events](#)

[Venn diagrams for sorting data](#)

[Tree diagrams](#)