

Keywords: Autumn 1

Year 10 Maths Higher

Topic Title: Angles, Pythagoras, Trigonometry & Surds

Introduction to the topic:

Able to find interior & exterior angles of polygons.

Finding length of sides & size of angles in right angled triangles using Pythagoras & Trigonometry

Keyword	Definition
Word	Definition/In a Sentence
Parts (ratio)	How many equal groups something is being split into. 3:2 has 5 parts that are all equal
Simplify (ratio)	Divide both sides by a common factor to reduce the digits' size but have an equivalent value
Venn Diagram	An illustration that uses overlapping circles to show things that have one or more property
Intersection	Where two circles overlap in a Venn diagram
Union	In Venn diagrams A or B or both
Universal Set	Everything in the Venn diagram
Highest common factor	The biggest factor that is shared by two numbers
Lowest Common Multiple	The smallest number in two numbers' times tables
Indices	The general term used to describe the topic of simplifying and evaluating index numbers
Term	The position in a sequence
Expression	In algebra two or more terms
Base Number	E.g. 2^4 the base number here is 2. It is the number that is being raised to a power.
Factorise	Put an expression into brackets by writing highest common factor outside the bracket
Standard Form	A way of writing big and small numbers (e.g. 3×10^6)
Quadratic	Expression where the highest power of x is 2