



Use this alongside our Walkthrough Guides to tick off the concepts you're confident with to plan your study and find areas of improvement!

### Angles on Parallel Lines

- I can identify the three properties of angles
- I can write angle properties in shorthand
- I can use angle properties to solve an angle problem
- I can identify the three properties of angles on parallel lines
- I can write parallel angle properties in shorthand
- I can use properties to solve problems on parallel lines

### Circles

- I can define and identify an:
  - Arc
  - Chord
  - Radius
  - Diameter
- I can identify the six circle properties
- I can write the circle properties in shorthand
- I can use these properties to solve a circle problem

## Polygons

- I can identify the two polygon rules
- I can find the interior angle of a polygon using two different techniques
- I can identify the three properties of triangles
- I can use my knowledge of isosceles triangles to solve problems
- I can explain what a similar triangle is
- I can define and calculate a **scale factor**
- I can use my knowledge of similar triangles to solve a generalised problem

## Pythagoras' Theorem, Trigonometry and Bearings

- I can find the length of a side using Pythagoras' Theorem
- I can label each side of a triangle using trigonometry rules
- I can use SOH, CAH, TOA to solve trigonometry problems
- I can measure bearings in three digits from north
- I can use my knowledge of bearings to solve a problem

## Proofs and Generalised Problems

- I can add information to a diagram to help solve a given problem
- I can use shape rules to provide geometric reasoning
- I can identify parallel lines, isosceles, and similar triangles
- I can solve problems with letters, not numbers
- I can give a generalised answer to a problem