

Thinking about Geometry

Station guide

This station gives students the opportunity to revisit familiar material from geometry, such as Pythagoras's theorem and similarity, and should help them gain a sense of why geometric thinking can be very powerful.

Geometric thinking can often provide elegant and simple solutions and many of our resources at later stations offer geometric reasoning to solve complex problems. Resources such as [A perfect fit](#) and [Spider and the fly \(part 1\)](#) should encourage students to develop visualisation and deductive reasoning while [In-betweens](#) and [What type of triangle?](#) ask students to come up with multiple routes through a problem and reflect on what worked best.

Resources looking at the geometry of circles and the use of radians to measure angles can be found at the [Circles](#) station.