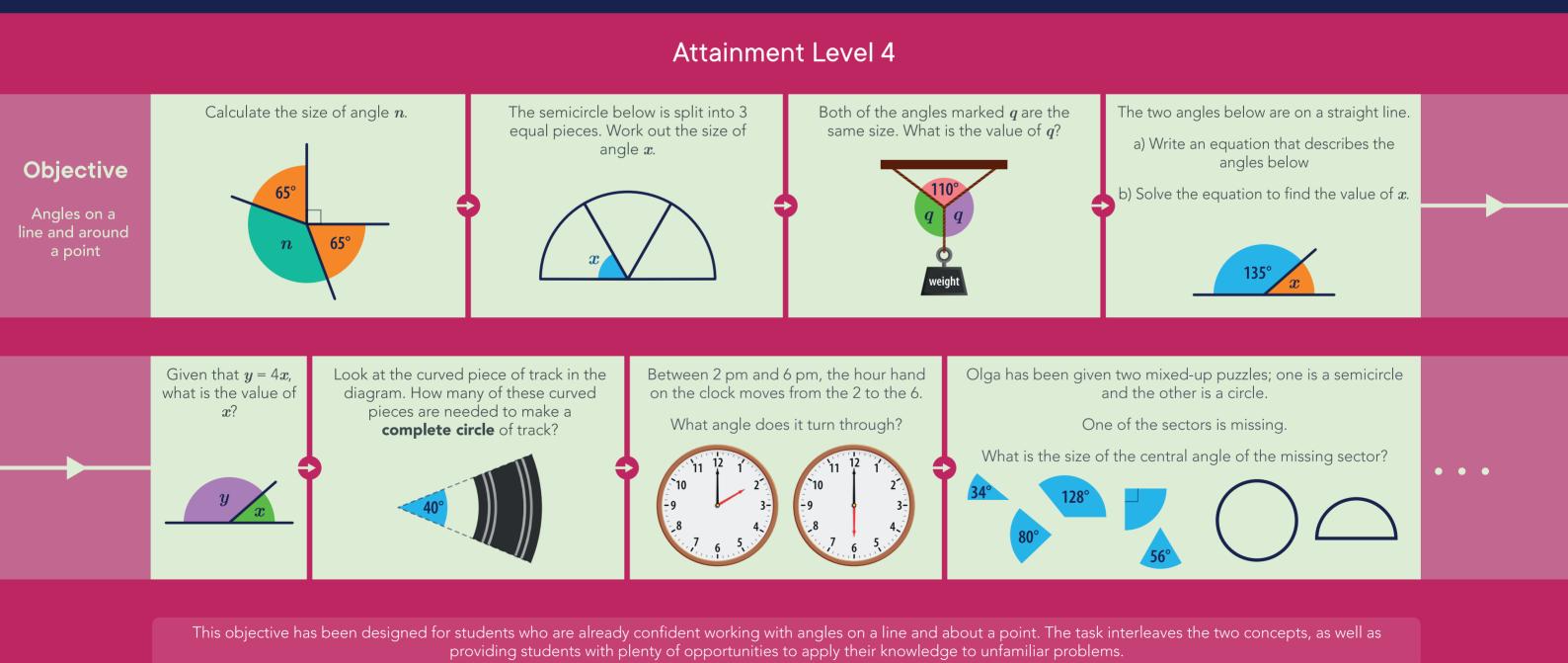
Differentiation in KS3 Angles on a line and around a point

Attainment Level 1 Work out the size of Work of the size of Find the size of Work of the size of What is the size of Find the size of the the angle marked z. angle marked t. (Hint: the angle r. the angle marked n. angle p? angle n. there are 180° on a Objective straight line.) How many degrees are there on a straight line? Angles on 120° a straight line Work of the size of What is the value of Find the value of r. What must angles a_i What is the size of What is the size of What is the size of the angle labelled h. \boldsymbol{b} and \boldsymbol{c} add up to? a? angle g? angle x? angle t? Objective 120° 100° Angles around \boldsymbol{a} 183° 274° a point 310° 150° Angles around a point sum to 360° Work out the size of Work out the size Work out the size Work out the size What is the value Work out the size What is the size of Work out the size of the angle of the angle of the angle of a? of the angle p. angle d? of the angle angle u. labelled h. marked z. marked n. marked y. Objective **125°** \boldsymbol{a} 186° Angle facts The first two objectives have been designed to Throughout, the questions have been designed The third objective has been designed to and selected to • interleave different angle facts, facilitating • provide a scaffolded introduction to angle learning by encouraging recall • ensure that students need to find a mixture of calculations acute, obtuse and reflex angles



• start by consolidating learning points students

and build to more challenging practice

have seen previously, with different numbers,

expose students to a range of different letters

representing unknown angles

• gradually increase the complexity of the

rather than the arithmetic

calculations, ensuring that when any new ideas

are introduced, the concept is the focal point

There is deliberate overlap in the concepts covered and questions asked at consecutive levels, ensuring no student's learning is capped. This also helps students to confidently and smoothly progress through the levels where appropriate.

There are also objectives available at Attainment Levels 2 and 3.