

Stage 7 – Visualising and constructing

Know it!



Knowledge	
I know...	How to use labelling notation for parallel and perpendicular lines
I know...	How to identify line and rotation symmetry in polygons
I know...	How to use a ruler and protractor to construct triangles, and other shapes from written descriptions
I know...	How to use ruler and compasses to construct triangles when all three sides known

Link it!



Backward	Forward
Use a ruler to measure and draw lengths Use a protractor to measure and draw angles	Calculate angles using parallel line rules Constructions and Loci

Prove it!



Always / Sometimes / Never: to draw a triangle you need to know the size of three angles; to draw a triangle you need to know the size of three sides. Convince me that a hexagon can have rotational symmetry with order 2.

Say it!



Vocabulary	Definition
Edge	A line on the boundary of a shape joining one corner to another.
Face	Any of the individual flat surfaces of a solid object.
Vertex, Vertices	A point where two or more line segments meet. A corner.
Plane	A flat surface with no thickness.
Parallel	Always the same distance apart and never touching.
Perpendicular	At right angles (90°) to.
Regular polygon	A polygon is regular when all angles are equal and all sides are equal (otherwise it is "irregular").
Rotational symmetry	A shape has Rotational Symmetry when it still looks the same after some rotation.

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