

Year 7 Maths

Topic 3 Constructions



Students are learning about Constructions at this point in Year 7 because it is a fun Geometry topic which contrasts with the Geometry they will have learnt at Primary School. It also serves as a chance for students to learn how to use a pair of compasses.

Previous topic: Introduction to Algebra

Next topic: Multiples & Factors

Next Geometry topic: Angles & polygons

Core knowledge/skills/concepts

- Understand the terms parallel and perpendicular
- Draw a circle given the radius
- Construct a perpendicular bisector
- Construct an angle bisector

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Essential vocabulary

angle bisector
compasses
construct
construction lines
draw
loci
locus
measure
parallel
perpendicular
perpendicular bisector
protractor

Threshold concepts

- Understand the terms parallel and perpendicular
- Draw a circle given the radius

Opportunities for reading

How and when will the core learning be assessed?

Mid-topic Assessment, End of Topic Assessment, Assessment 2 (January) and Assessment 3 (May)

Links to other topics/subjects

Constructions is seen again in Year 10's Constructions and Loci Topic.

Compasses and Constructions can also be used to generate beautiful tiling patterns.

Geometry topics in Year 8 include: Area, Perimeter & Volume; Transformations and Pythagoras' theorem.