Year 9 Mathematics Learning Journey: Unit 6 - **Constructions and Congruency**

Step 14: Identify congruent triangles

Investigate "any diagonal of a parallelogram splits it into two congruent triangles".

Step 13: Explore congruent triangles

What does 'included angle' mean?

Step 12: Identify congruent figures

Does a pair of shapes need to be in the same orientation in order to be congruent?

Step 11 (R): Construct triangles

What information do you need in order to complete the construction of a triangle?

Step 4: Locus of a distance from a straight line / shape

What's the difference between the locus of the points 2m away from a line and the locus of the points 2m away from a point?

Steps 5 & 6: Perpendicular bisector

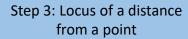
What does equidistant mean? What does the prefix bimean?

Steps 7 & 8: Perpendicular from / to a point

Explain the difference between constructing a perpendicular from a point and constructing a perpendicular to a point.

Steps 9 & 10: Angle bisector

What is the difference between how you construct an angle bisector and a perpendicular bisector?



What's the difference between the shape of the locus of points 2m away from the centre of the room and the shape of the locus 2m away from the corner of the room?

Step 2 (R): Scale Drawings

A model boat has length 7cm. The scale of the model is 1:80. Work out the length of the real boat, in metres.

Step 1 (R): Draw and measure angles

How do you know which scale to use on a protractor?









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