

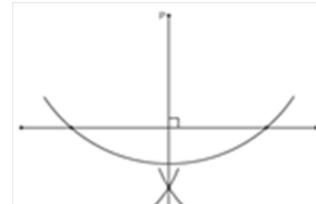
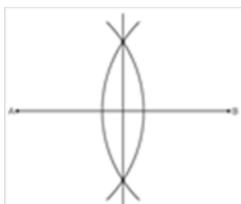


Starter

- 1) 3000cm =metr
- 2) 4500 metr = ...km
- 3) 3.4 metr =mm

Top Tips!

Bisecting a line Bisecting an angle Constructing the perpendicular from a point to a line



Skills:

A dog is tied to a rope measuring 2.5m to a post in the middle of a garden.

Shade the area where the dog can reach.

Use a scale of 1cm = 1m.



Examination Question: 2012 January Link Applications Higher U1 Q7

A valuable statue is on display.

To protect the statue a glass cuboid is built around it.

A scale drawing of the plan view (bird's eye or aerial view) of the cuboid is shown below.

Scale 1 cm : 20 cm

A barrier is built around the cuboid so that no one can stand within 60 cm of the cuboid.

Using the given scale, draw accurately the locus of the barrier on the scale drawing shown below. [5]



Assessment for Learning

Video / QR code



Starter

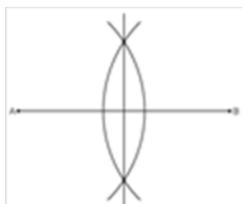
1) 3000cm = 30 metre

2) 4500 metre = 4.5km

3) 3.4 metre = 3400mm

Top Tips!

Bisecting a line Bisecting an angle Constructing the perpendicular from a point to a line



Skills:

A dog is tied to a rope measuring 2.5m to a post in the middle of a garden.

Shade the area where the dog can reach.

Use a scale of 1cm = 1m.



Open the compass to 2.5 cm.

Draw a circle with the post in the middle.

Shade inside of the circle (this is the area that the dog can reach).

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Straight lines parallel to all 4 sides and 3cm away (+2mm)

Arcs with radius 3cm (+2mm) at all 4 vertices

All arcs joined to straight lines to give the correct locus (+2mm)



Assessment for Learning

Video / QR code