



Maths-it Podcast F-20

Foundation GCSE Revision

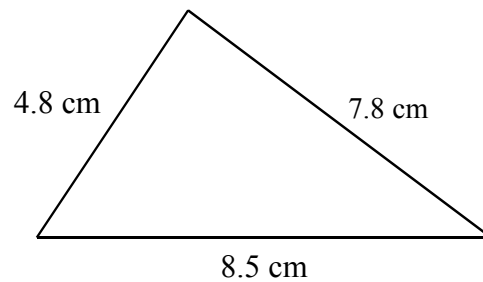
Constructions and loci

Topics

Standard straight edge and compasses constructions – Drawing loci

Questions

1. Here is a sketch of a triangle.



In the space below, use ruler and compasses to **construct** this triangle accurately. You must show all construction lines.

(Total 3 marks)

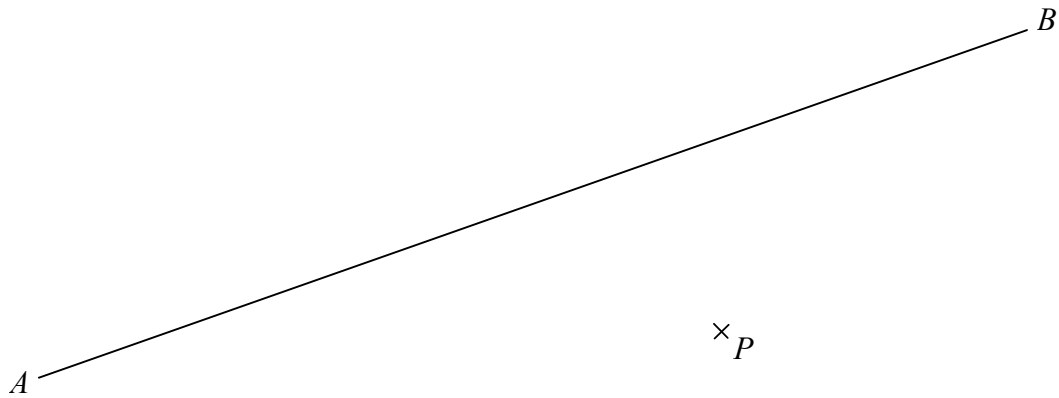


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2. Use the ruler and compasses to **construct** the perpendicular to the line segment AB that passes through the point P .
You must show all construction lines.



(Total 2 marks)

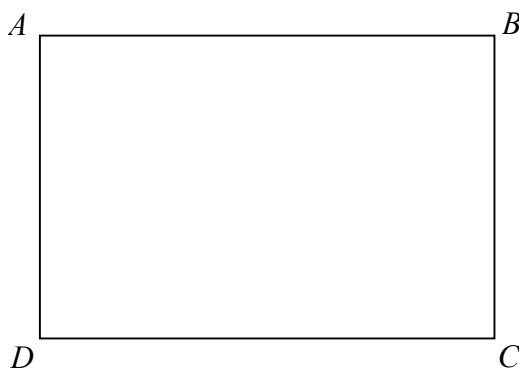
3. The diagram represents a rectangular garden $ABCD$.

The scale of the diagram is 1 cm represents 1 m.

A tree is to be planted in the garden so that it is

nearer to A than to C ,
within 5 m of point B .

On the diagram, shade the region where the tree may be planted.



(Total 3 marks)

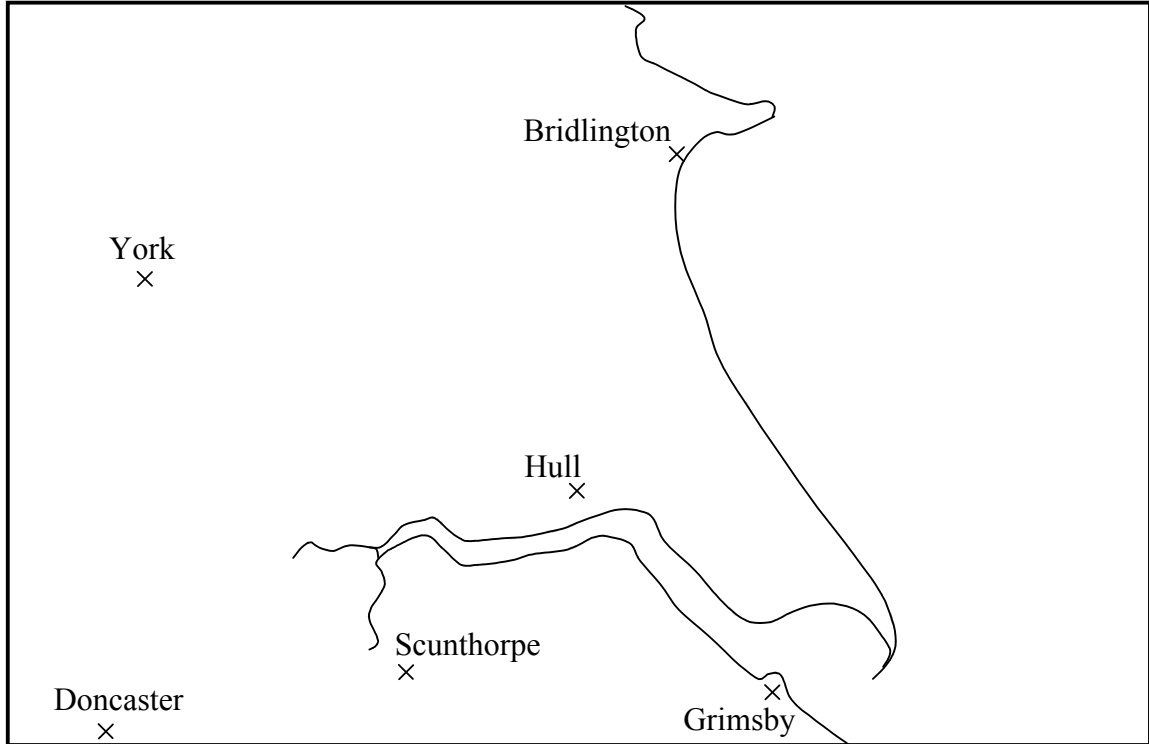


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4. This is a map of part of Northern England.



Scale: 1 cm represents 5 miles

Measure and write down the bearing of

(i) Bridlington from York,

.....°

(ii) Scunthorpe from Hull.

.....°

(2)

A radio station in Hull transmits programmes.

Its programmes can be received anywhere within a distance of 30 miles.

(b) On the diagram, shade the region in which the programmes can be received.

(2)

(Total 4 marks)