



EXAM PAPERS PRACTICE

GCSE AQA Maths 8300

Properties &
Constructions

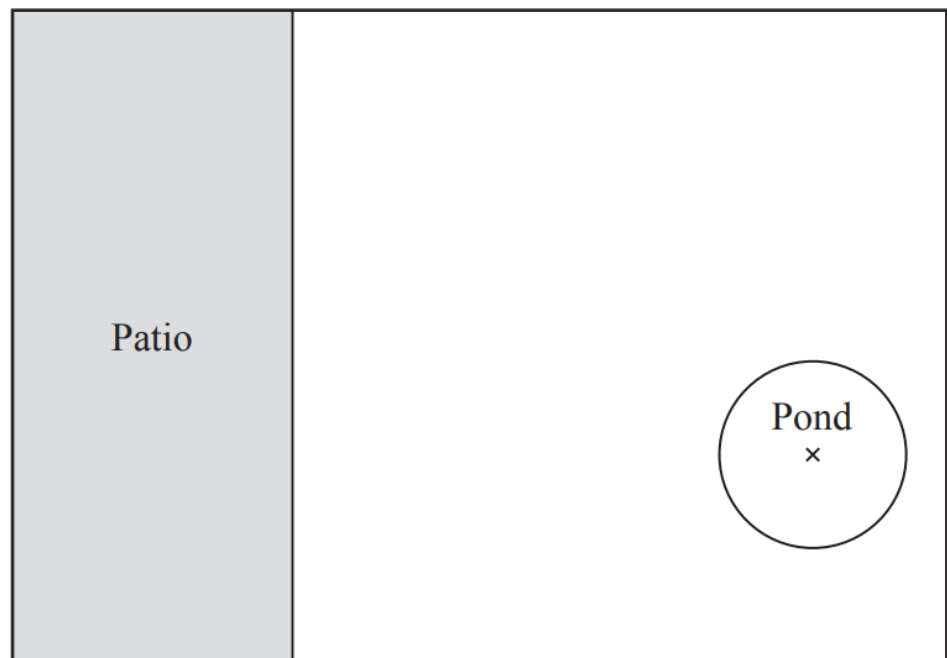
Question Paper

*"We will help you to
achieve A Star "*

Question 1

The diagram shows a garden in the shape of a rectangle.

The scale of the diagram is 1 cm represents 2 m.



Scale: 1 cm represents 2 m

Irfan is going to plant a tree in the garden.

The tree must be

- and**
- more than 3 metres from the patio
 - more than 6 metres from the centre of the pond.

On the diagram, shade the region where Irfan can plant the tree.

[3 marks]

Question 2

Here is a scale drawing of an office.

The scale is 1 cm to 2 metres.



A photocopier is going to be put in the office.

The photocopier has to be closer to B than it is to A .

The photocopier also has to be less than 8 metres from C .

Show, by shading, the region where the photocopier can be put.

[3 marks]

Question 3



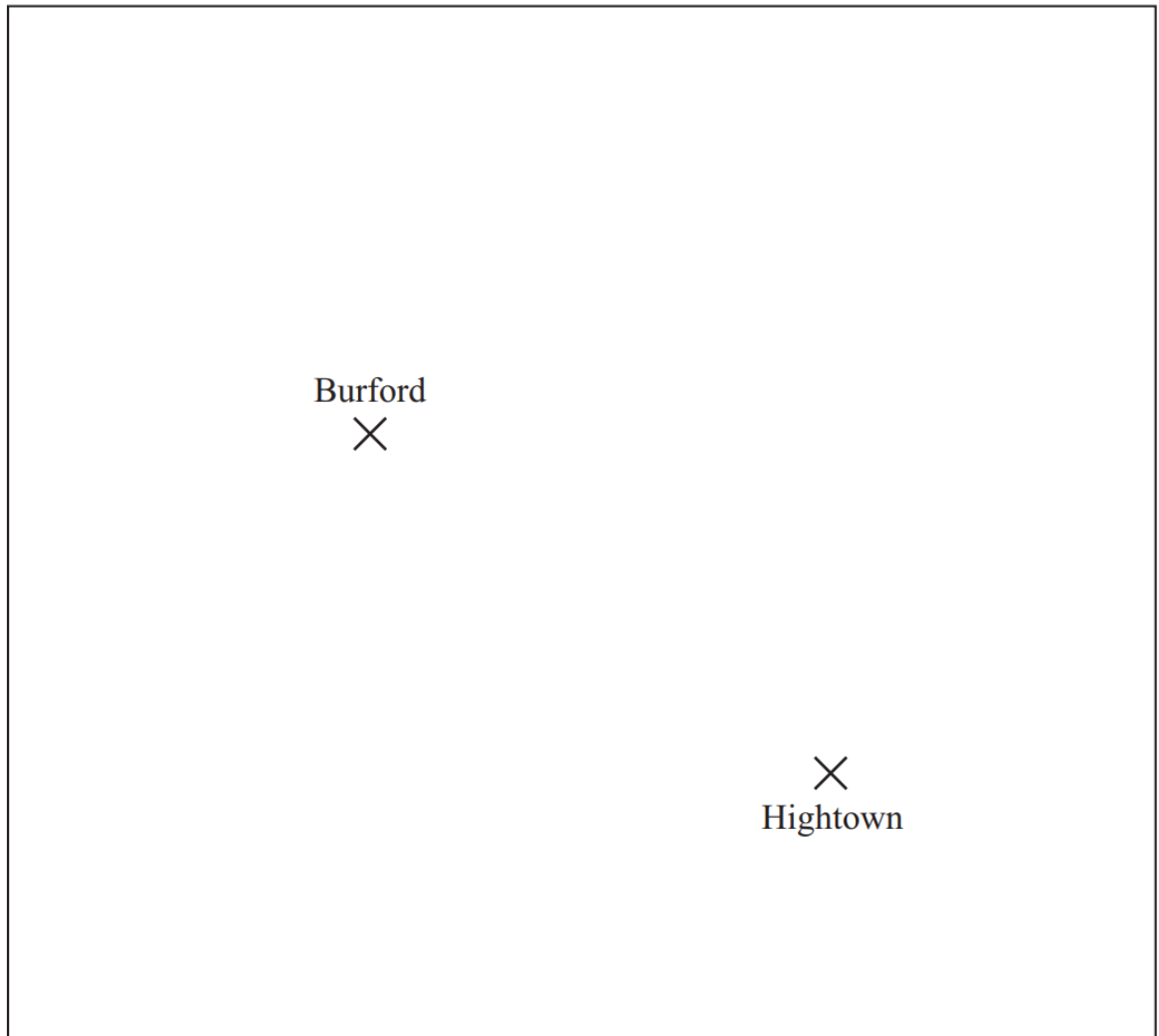
Use ruler and compasses to **construct** the perpendicular bisector of the line segment AB .
You must show all your construction lines.

[2 marks]

Question 4

Here is a map.

The map shows two towns, Burford and Hightown.



Scale: 1 cm represents 10 km

A company is going to build a warehouse.

The warehouse will be less than 30 km from Burford **and** less than 50 km from Hightown.

Shade the region on the map where the company can build the warehouse.

[3 marks]