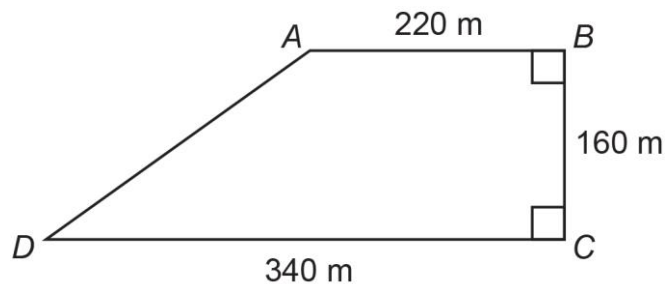


Exam questions

Question 1

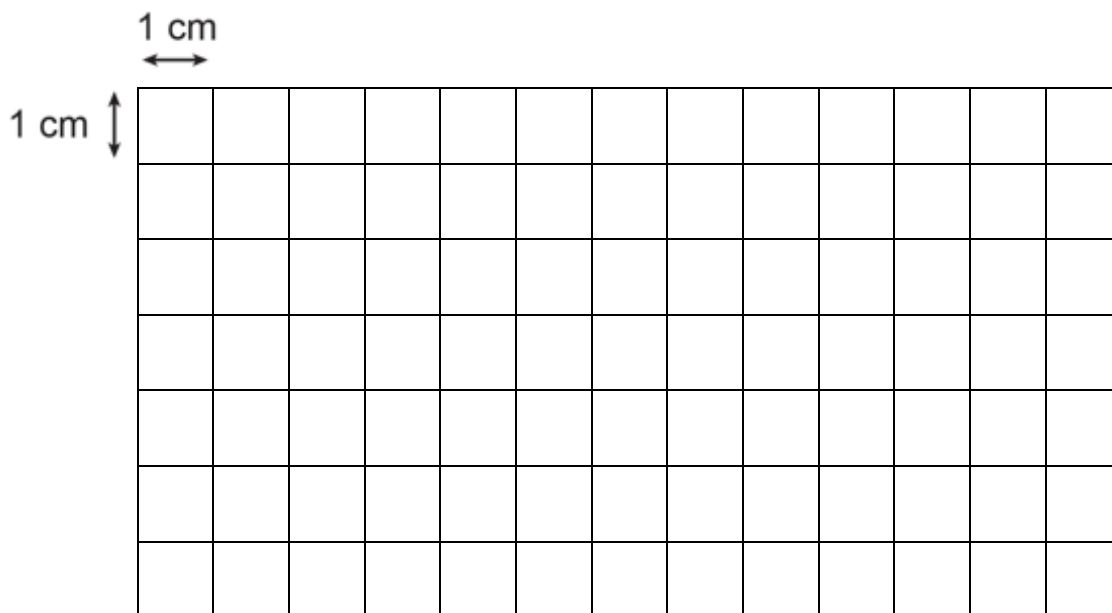
Here is a quadrilateral.



(a) Draw this shape on the grid.

Use the scale 1 cm to 40 m

Each square on the grid is 1 cm x 1 cm



(b) Use your answer to part (a) to work out the actual length of the line AD .

Remember to use the grid and the scale.

Question 2

Kasim wants an extension built onto his house.

The diagram shows part of the house and the centre of a tree.

The length of the house is 36 m.

(a) Complete the key.

The extension will be in the shape of a rectangle with width of 10 m and the same length as the house.

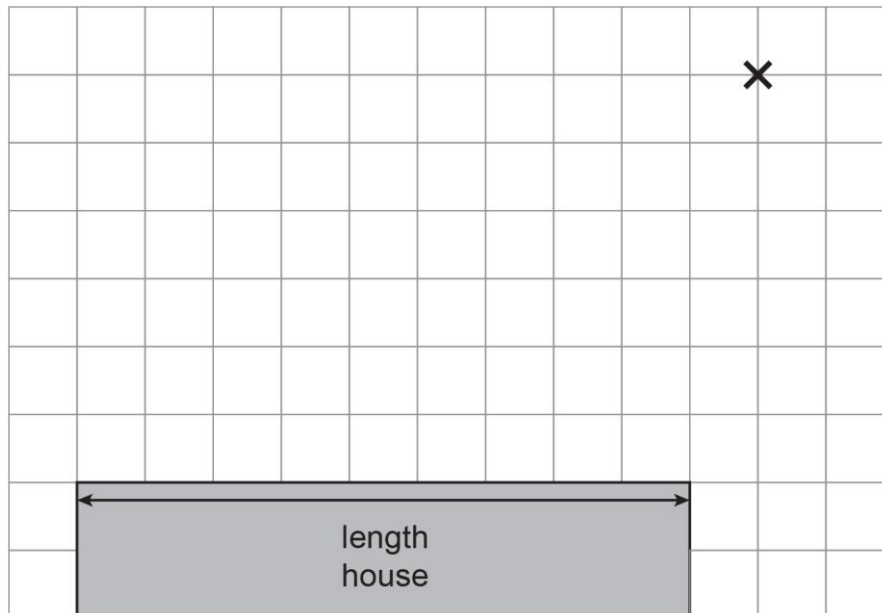
The roots of the tree grow in a circular shape.

The roots grow to a maximum length of 20 m from the centre of the tree.

The extension will need deep foundations if built over the roots.

(b) Will the extension need deep foundations?

Use the grid to show why you think this.



Key 1 cm on the grid represents m on the ground
X represents centre of tree