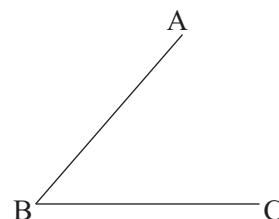


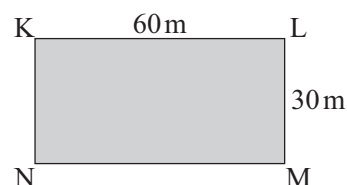
TASK 4.22

You will need a ruler and a pair of compasses.

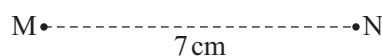
- Construct the locus of points which are the same distance from the lines AB and BC (the bisector of angle B).



- Faye wants to lay a path in her garden that is always the same distance from KL and KN. Using a scale of 1 cm for 10 m, draw the garden and construct a line to show where the path will be laid.



- Construct the locus of points which are equidistant (the same distance) from M and N.



- Draw A and B 7 cm apart.

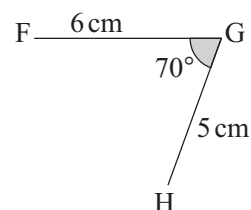
A •

• B

A radar at A has a range of 150 km and a radar at B has a range of 90 km. Using a scale of 1 cm for every 30 km, show the area which can be covered by both radars at the same time.

- Draw one copy of this diagram.

- Construct the perpendicular bisector of FG and the bisector of angle FGH.
- Make with a the point which is equidistant from F and G as well as the same distance from the lines FG and GH.



- Draw the line QR then draw the locus of all the points P such that $\angle QPR = 90^\circ$.



- Draw one copy of triangle ABC and show on it:
 - the perpendicular bisector of QR.
 - the bisector of angle PRQ.
 - the locus of points nearer to PR than to QR and nearer to R than to Q.

