*PMT*

**24** The scale drawing shows the positions of two posts, *A* and *B*.

N

N

×
*A*

×
*B*

Scale: 1 cm represents 50 metres

A third post, *C*, is equidistant from *A* and *B*.

(a) Using ruler and compasses only, construct the locus of points that are equidistant from *A* and *B*.

**(2)**

Given that *C* is also on a bearing of 250° from *B*,

(b) find and mark the position of *C* on the scale drawing with a cross (×).
Label the cross *C*.

**(2)**

(c) Find by measurement from the scale drawing, the distance, in metres to the nearest metre, of *C* from *A*.

..................................................... m

**(1)**

**(Total for Question 24 is 5 marks)**

*Turn over ▶*