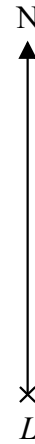


- 1 The accurate scale drawing shows the positions of port P and a lighthouse L .



Scale: 1 cm represents 4 km.

Aleena sails her boat from port P on a bearing of 070°

She sails for $1\frac{1}{2}$ hours at an average speed of 12 km/h to a port Q .

Find

- (i) the distance, in km, of port Q from lighthouse L ,
- (ii) the bearing of port Q from lighthouse L .

distance $QL = \dots\dots\dots$ km

bearing of Q from $L = \dots\dots\dots^\circ$

(Total for Question 1 is 5 marks)