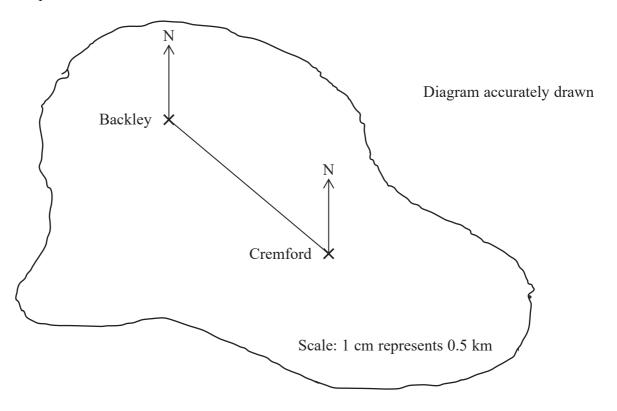
Autumn 2017 Paper 2 Q9

Here is a map of an island.

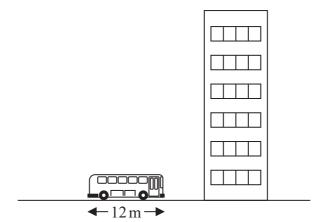


A straight road joins the two villages, Backley and Cremford.

(a) Work out the real distance between the two villages.

	(Total for Question 1 is 3 marks)	
	(1)	
		0
(b) Find the bearing of Cremford from Backley.	(2)	
		km

2



The picture shows a bus next to a building.

The bus has a length of 12 m.

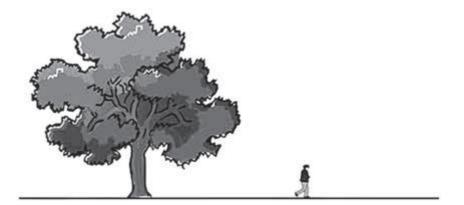
The bus and the building are drawn to the same scale.

Work out an estimate for the height, in metres, of the building.

..... r

(Total for Question 2 is 2 marks)

3 The diagram shows a tree and a man.



The man is of average height.

The tree and the man are drawn to the same scale.

(a) Write down an estimate for the real height, in metres, of the man.

(b) Find an estimate for the real height, in metres, of the tree.

	(1)	metres
	 (2)	metres

(Total for Question 3 is 3 marks)

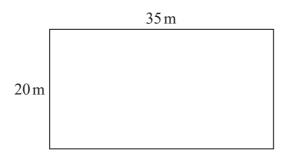
4 A map has a scale of 1 cm to 14 km.  On the map, the distance between Manchester and London is 18.8 cm.  What is the real distance, in km, between Manchester and London?	
What is the real distance, in km, between Manchester and London?	
	km
(Total for Question 4 is 2 marks)	)

				Summ	er 2018 Paper 3 Q1	12
5	The diagram sh	ows a scale drawing of a	tennis court.			
	[				$\neg$	
	ι					
	The scale of the	e drawing is 1:200				
	Work out the pe	erimeter of the real tenni	s court.			
	Give your answ	ver in metres.				
					met	tres
				(Total for Ougstion 5:	5 marks)	
				(Total for Question 5 is	o o marks)	

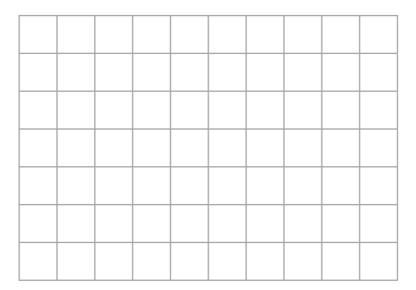
Summer	2020 Paper	1 013

6	The diagram shows two points, $A$ and $B$ , on a map.	
	N X B	Diagram accurately drawn
	N A	
	Scale: 1 to 25 000	
	(a) Find the bearing of $B$ from $A$ .	
		0
	(b) Work out the real distance between <i>A</i> and <i>B</i> . Give your answer in kilometres.	(1)
		kilometres
		(3)
	(Total for Question	on 6 is 4 marks)

7 The diagram shows a rectangle.



On the centimetre grid below, draw an accurate scale drawing of this rectangle. Use a scale of 1 cm to represent 5 m.

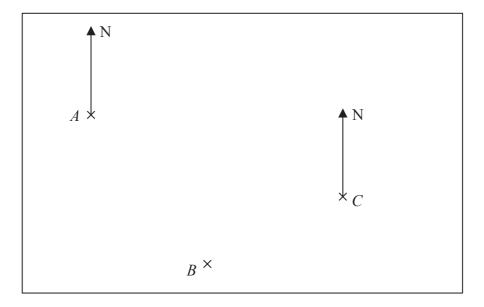


(Total for Question 7 is 2 marks)

		Summer 2022 Paper 2 Q16
8	On a scale drawing, a building has length 12.4 cm and width 9.4 cm. The real length of the building is 62 metres.	, ~~
	Work out, in metres, the real width of the building.	
		metres
_	(Total for Quest	ion 8 is 3 marks)

Summer 2022 Paper 3 Q13

9 The accurately drawn map shows the positions of three points, A, B and C, in a field.



Scale: 1 cm represents 150 metres

Parveen walks in a straight line from A to B. She then walks in a straight line from B to C.

Susan walks in a straight line from A to C.

Parveen walks more metres than Susan.

(a) How many more?

	metres (3)
(b) Find by measurement the bearing of A from C.	0
	(1)
	(Total for Question 9 is 4 marks)

Summer 2017 Paper 2 Q16 10 A, B and C are three points on a map. B $\times$  $A \times$  $\stackrel{\times}{C}$ 1 cm represents 100 metres. Point T is 250 metres from point A. Point T is equidistant from point B and point C. On the map, show one of the possible positions for point T. (Total for Question 10 is 3 marks)

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



N \*
L

Scale: 1 cm represents 4 km.

Aleena sails her boat from port P on a bearing of  $070^{\circ}$ 

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

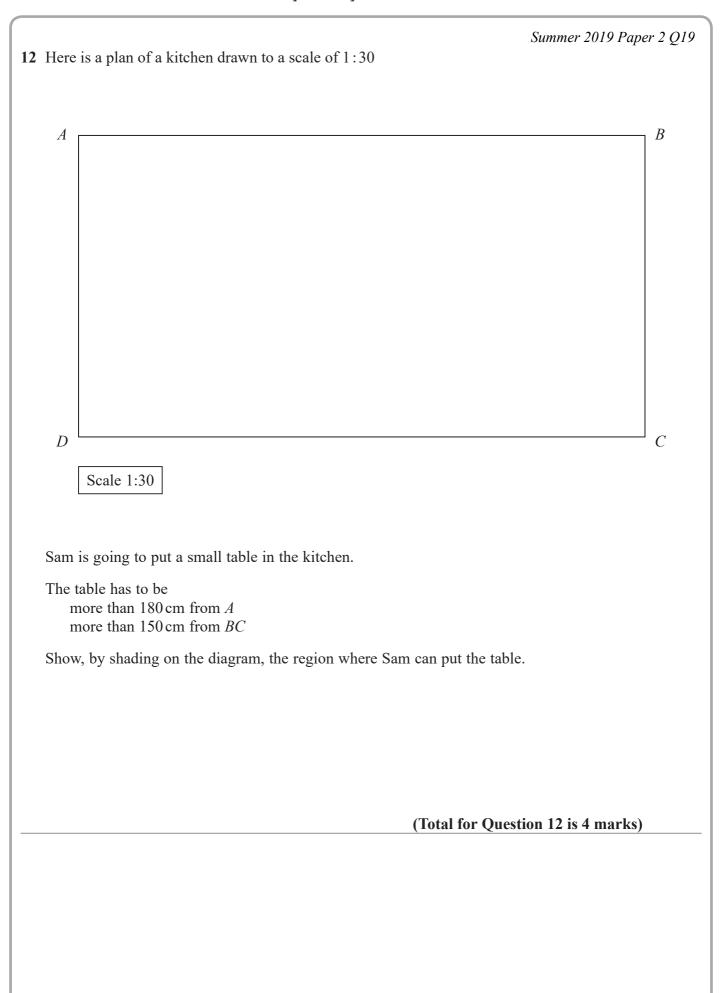
Find

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

distance QL = km

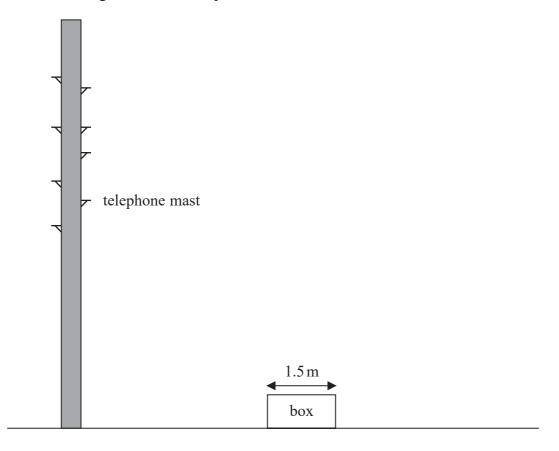
bearing of Q from  $L = \dots$ 

(Total for Question 11 is 5 marks)



Summer 2019 Paper 3 Q17

13 The accurate scale diagram shows a telephone mast and a box.



The box has a real width of 1.5 metres.

Find an estimate for the real height, in metres, of the telephone mast.

metres

(Total for Question 13 is 2 marks)

			Autumn 2021 Paper 3 Q12
14	The diagram shows	two places on a map.	
		× Shelton	
		V T 11	
		× Trilby	
		Scale: 1 centimetre represents 20 kilometres	
	(a) What is the actu	al distance, in kilometres, from Shelton to Trilby?	
			kilometres (2)
	On a seels during	the coals is given as 1,1200	(-)
		the scale is given as 1:1200	
	(b) How many metr	es does 5 centimetres represent on this drawing?	
			metres
			(2)
		(Total for Que	stion 14 is 4 marks)
			,