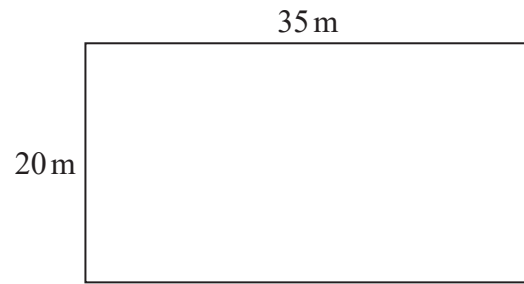


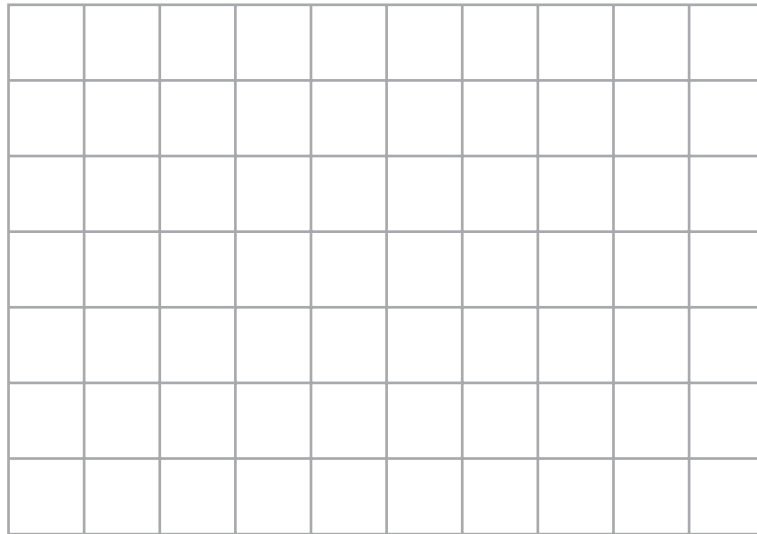
# Scale Drawings

## November 2021 Paper 2

- 5 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.



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**(Total for Question 5 is 2 marks)**

## June 2024 Paper 3

6 A map has a scale of 1 cm represents 4 km.

On the map, the distance from town A to town B is 8 cm.

(a) Work out the real distance, in km, from town A to town B.

..... km  
(2)

The real length of a road is 10 km.

(b) Work out the length of the road on the map.  
Give the units of your answer.

.....  
(2)

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**(Total for Question 6 is 4 marks)**

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## November 2023 Paper 1

7 Matt is drawing a scale diagram.

1 cm represents 5 m.

He draws a line 3 cm long.

(a) What real distance does the line represent?

..... m

(1)

The real distance between two points is 20 m.

(b) What is the distance between the two points on the scale diagram?

..... cm

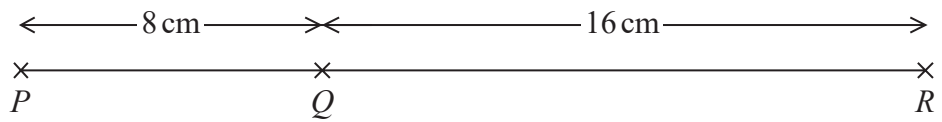
(1)

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**(Total for Question 7 is 2 marks)**

June 2023 Paper 2

8 The diagram shows three motorway service stations  $P$ ,  $Q$  and  $R$  on a map.



The map has a scale of  $1 \text{ cm} = 4 \text{ km}$ .

Work out the real distance from  $P$  to  $R$ .

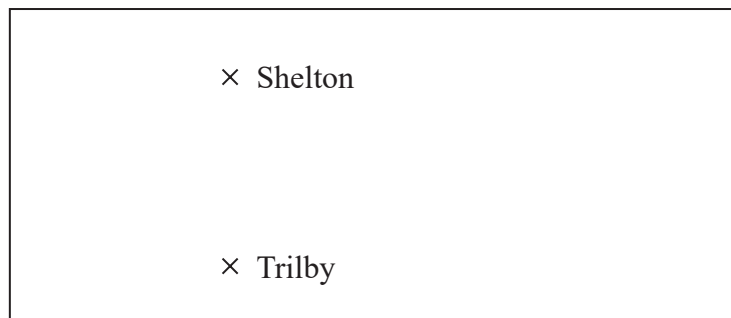
..... km

**(Total for Question 8 is 3 marks)**

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November 2021 Paper 3

12 The diagram shows two places on a map.



Scale: 1 centimetre represents 20 kilometres

(a) What is the actual distance, in kilometres, from Shelton to Trilby?

..... kilometres  
(2)

On a scale drawing, the scale is given as 1 : 1200

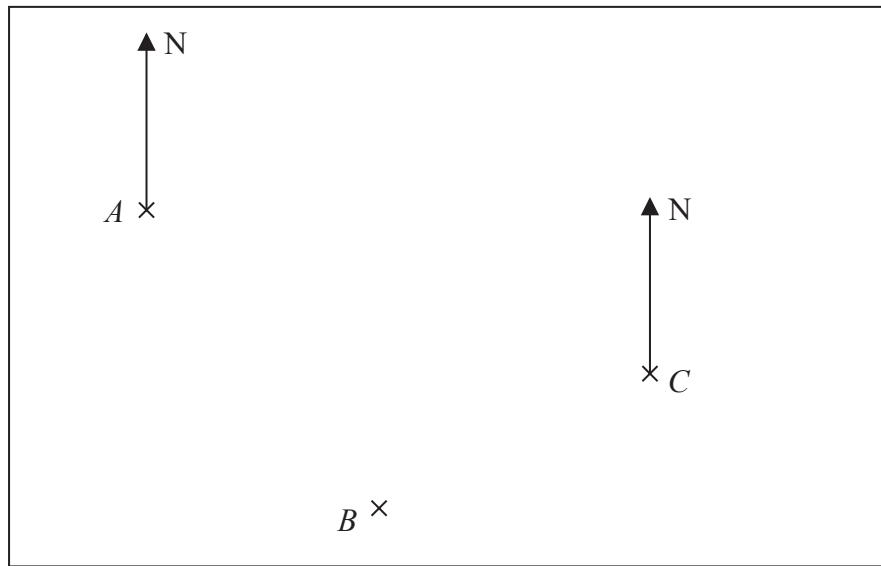
(b) How many metres does 5 centimetres represent on this drawing?

..... metres  
(2)

**(Total for Question 12 is 4 marks)**

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13 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)

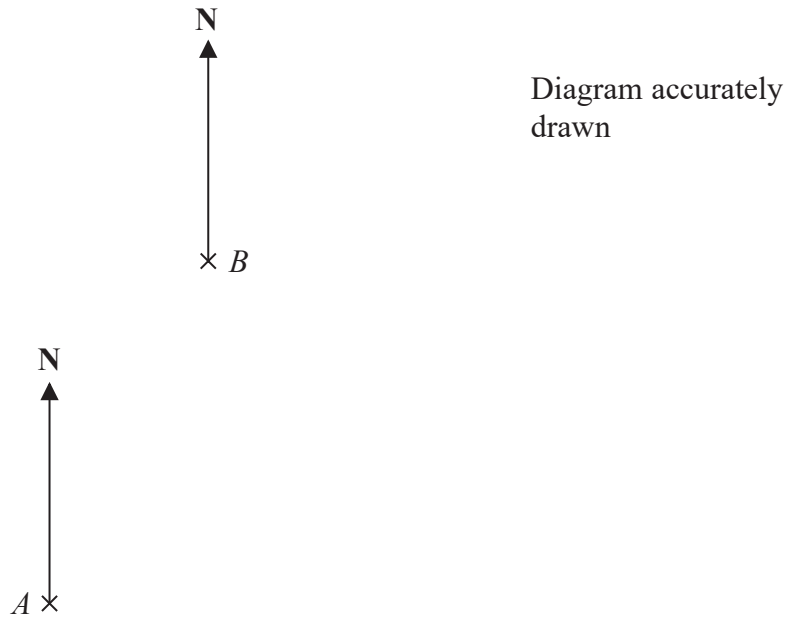
(b) Find by measurement the bearing of  $A$  from  $C$ .

.....  
(1)

(Total for Question 13 is 4 marks)

June 2020 Paper 1

13 The diagram shows two points,  $A$  and  $B$ , on a map.



Scale: 1 to 25 000

(a) Find the bearing of  $B$  from  $A$ .

.....  
(1)

(b) Work out the real distance between  $A$  and  $B$ .  
Give your answer in kilometres.

..... kilometres  
(3)

**(Total for Question 13 is 4 marks)**

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## November 2022 Paper 1

14 Aleksy is using a map.

The map has a scale of 1 : 25 000

On the map a road has a length of 6 cm.

(b) Work out the length, in kilometres, of the real road.

..... kilometres  
(3)

## November 2024 Paper 2

- 15** A map has a scale of 1 : 25 000  
On the map, a road has a length of 14 cm.

Work out the real length of the road.  
Give your answer in kilometres.

..... kilometres

**(Total for Question 15 is 3 marks)**

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## June 2022 Paper 2

- 16** 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 Question 16 is 3 marks)**

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