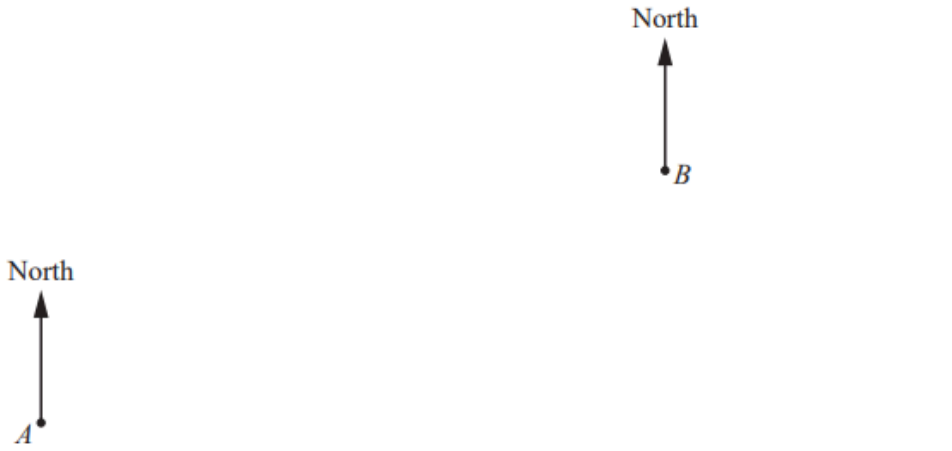
Q1. (June 2018 v3)

(b) The scale drawing shows the positions of two towns, A and B.
The scale is 1 centimetre represents 5 kilometres.



Scale : 1 cm to 5 km

(i) Measure the bearing of town B from town A.

..... [1]

(ii) Find the actual distance, in kilometres, from town A to town B.

..... km [2]

Q2. (June 2019 v1)

(b) The scale drawing shows the positions of town S and town T.
The scale is 1 centimetre represents 15 kilometres.





Scale: 1 cm to 15 km

(i) Find the actual distance between these two towns.

.....km [2]

(ii) Measure the bearing of town T from town S.

..... [1]

Q3. (June 2019 v3)

13 The scale drawing shows a rock, R.
The scale is 1 centimetre represents 30 metres.
A lighthouse, L, is 210 m from R, on a bearing of 125°.

On the diagram, mark the position of L.



Scale : 1 cm to 30 m

[2]

Q4. (June 2020 v2)

8 The scale drawing shows the positions of town A and town B.
The scale is 1 cm represents 12 kilometres.



Scale: 1 cm to 12 km

(a) Find the actual distance between town A and town B.

..... km [2]

(b) Town C is 72 km from town A and 96 km from town B.

On the scale drawing, construct the position of town C. [3]

Q5. (June 2020 v3)

10 **(a)** A circular garden has diameter 11.4 m.

Draw the garden accurately, using a scale of 1 cm represents 1.5 m.

Scale: 1 cm to 1.5 m

[2]

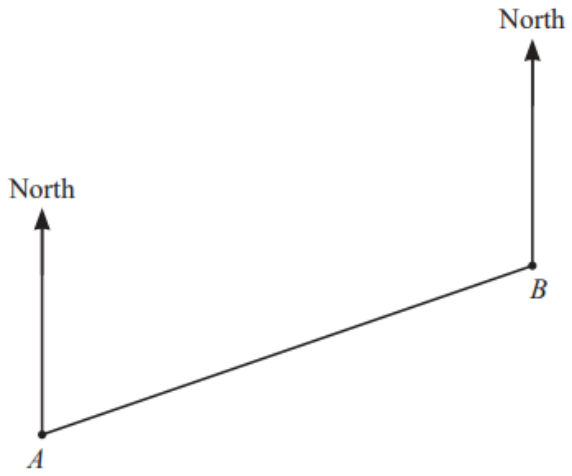
(b) On a map, the distance between two towns is 9.6 cm.
The scale of the map is 1 : 50 000.

Work out the actual distance between the two towns in kilometres.

..... km [2]

Q6. (June 2022 v1)

4 The scale drawing shows the positions of town A and town B.
The scale is 1 cm represents 15 km.



Scale: 1 cm to 15 km

(a) Find the actual distance between town A and town B.

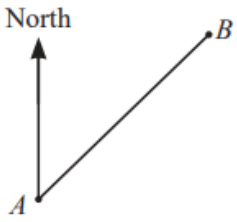
..... km [2]

(b) Measure the bearing of town B from town A.

..... [1]

Q7. (June 2022 v2)

22



NOT TO SCALE

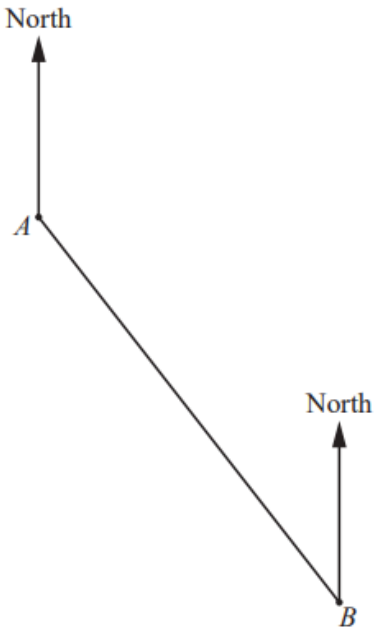
The bearing of B from A is 059°.

Work out the bearing of A from B.

..... [2]

Q8. (June 2022 v3)

6

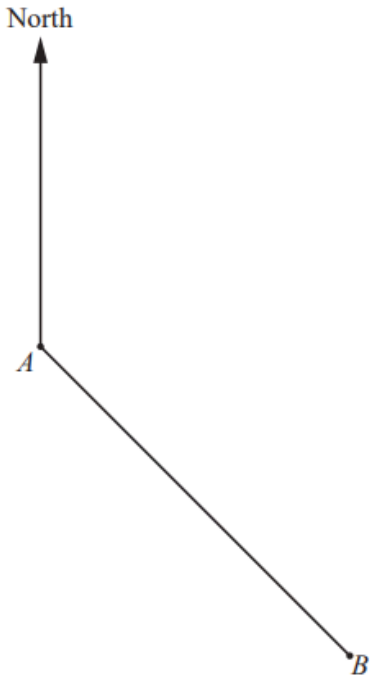


Measure the bearing of point B from point A.

..... [1]

Q9. (June 2023 v2)

9 The scale drawing shows the positions of town A and town B.



Measure the bearing of town B from town A.

..... [1]

Q10. (June 2023 v2)

11 The distance from town A to town B on a map is 3.5 cm.
The scale on the map is 1 : 250 000.

Find the actual distance, in kilometres, from town A to town B.

..... km [2]

Q11. (June 2024 v3)

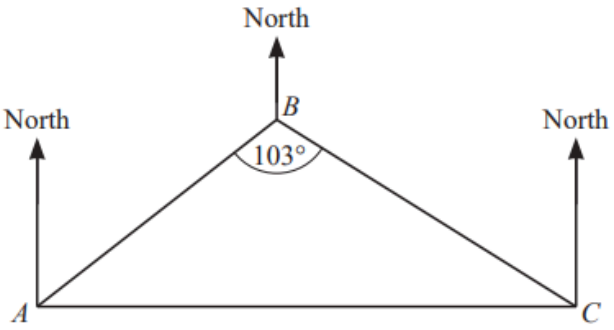
14 The scale of a map is 1 : 40 000.
On the map the distance between two villages is 37 cm.

Calculate the actual distance between the two villages.
Give your answer in kilometres.

..... km [2]

Q12. (June 2024 v3)

20 The diagram shows the positions of three towns A, B and C.



NOT TO SCALE

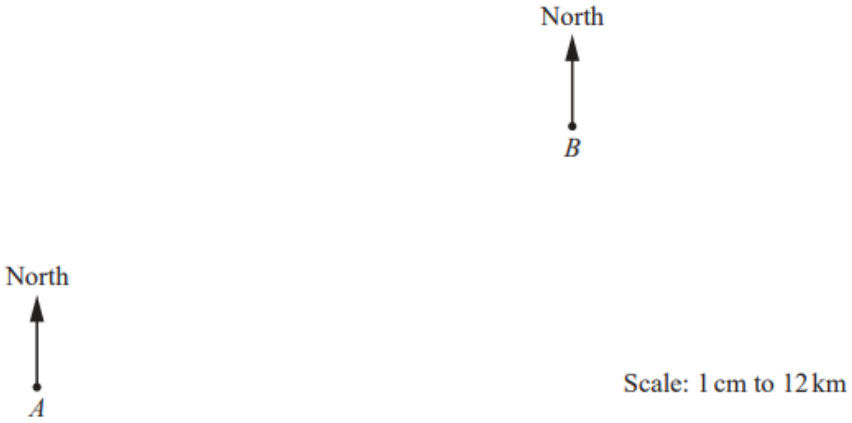
Angle $ABC = 103°$.
The bearing of town B from town A is 048°.
Town C is due east of town A.

Find the bearing of town C from town B.

..... [4]

Q13. (Nov 2018 v2)

10 The scale drawing shows the positions of town A and town B.
The scale is 1 centimetre represents 12 kilometres.



(a) Work out the actual distance from town A to town B.

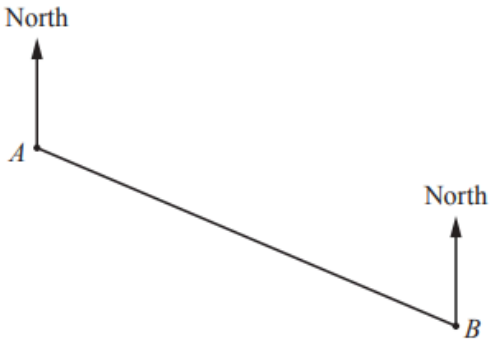
..... km [2]

(b) Measure the bearing of town B from town A.

..... [1]

Q14. (Nov 2019 v2)

3



Measure the bearing of B from A.

..... [1]

Q15. (Nov 2021 v1)

9 The scale drawing shows the positions of two towns, P and Q.
The scale is 1 cm represents 4 km.



Scale: 1 cm to 4 km

(a) Find the actual distance between town P and town Q.

..... km [2]

(b) Measure the bearing of town Q from town P.

..... [1]

(c) Town X is 28 km from town P on a bearing of 140°.

On the scale drawing, mark the position of town X. [2]

Q16. (Nov 2022 v1)

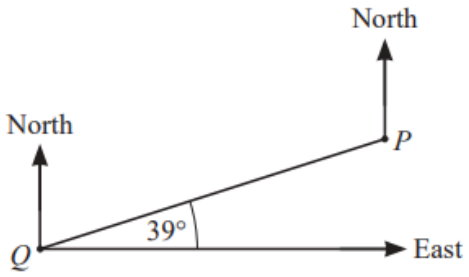
19 The bearing of A from B is 137°.

Find the bearing of B from A.

..... [2]

Q17. (Nov 2023 v2)

13



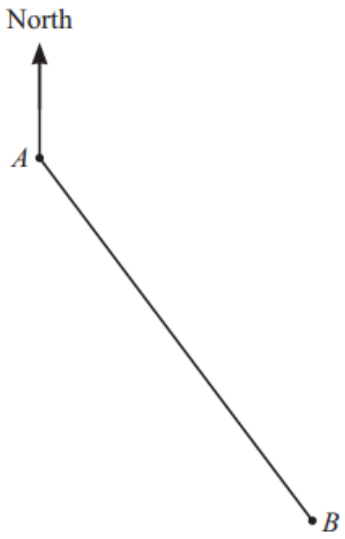
NOT TO SCALE

Find the bearing of Q from P.

..... [2]

Q18. (Nov 2024 v2)

12 The scale drawing shows the positions of two ships, A and B.
The scale is 1 cm represents 6 km.



Scale : 1 cm to 6 km

(a) Measure the bearing of ship B from ship A.

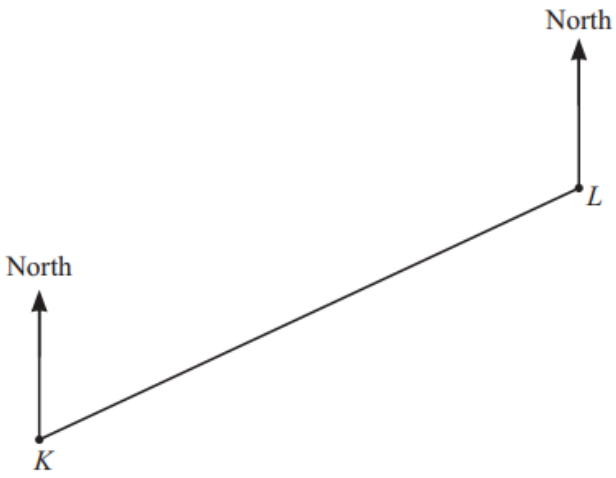
..... [1]

(b) Find the actual distance between the two ships.

..... km [2]

Q19. (Nov 2024 v3)

9 The scale drawing shows the positions of town K and town L.
The scale is 1 cm represents 10 km.



Scale : 1 cm to 10 km

(a) Find the actual distance between town K and town L.

..... km [2]

(b) Measure the bearing of town L from town K.

..... [1]

(c) Town M is 40 km from town L on a bearing of 140°.

On the scale drawing, mark the position of town M. [2]

Q20. (Nov 2025 v1)

13 The scale drawing shows the positions of town A and town B.
The scale is 1 centimetre represents 10 kilometres.





Scale: 1 cm to 10 km

(a) Work out the actual distance from town A to town B.

..... km [2]

(b) Measure the bearing of town B from town A.

..... [1]

(c) Town C is 45 km from town A on a bearing of 310°.

On the scale drawing, mark the position of town C. [2]

Q21. (Nov 2025 v3)

24 **(a)** The scale on a map is 1 cm represents 12 km.

Write this in the ratio $1 : n$.

1 : ..... [1]

(b) The bearing of B from A is 070°.

Find the bearing of A from B.

..... [2]