



SCAN ME

Bearings

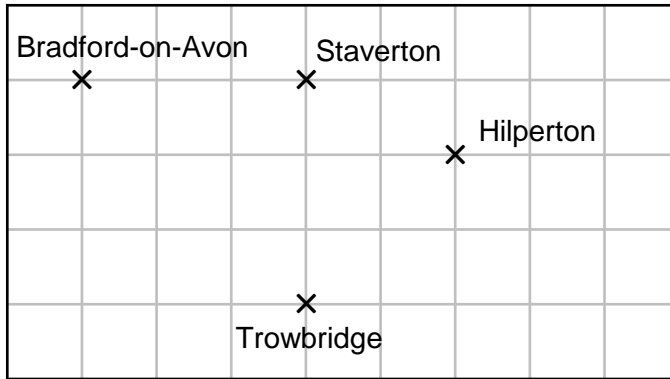


SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

1 Here is a map of some towns and villages on a square centimetre grid.



1 (a) Write down the three-figure bearing of Trowbridge from Staverton. [1 mark]

Answer _____ °

1 (b) Write down the three-figure bearing of Bradford-on-Avon from Staverton. [1 mark]

Answer _____ °

1 (c) Write down the three-figure bearing of Hilperton from Trowbridge. [1 mark]

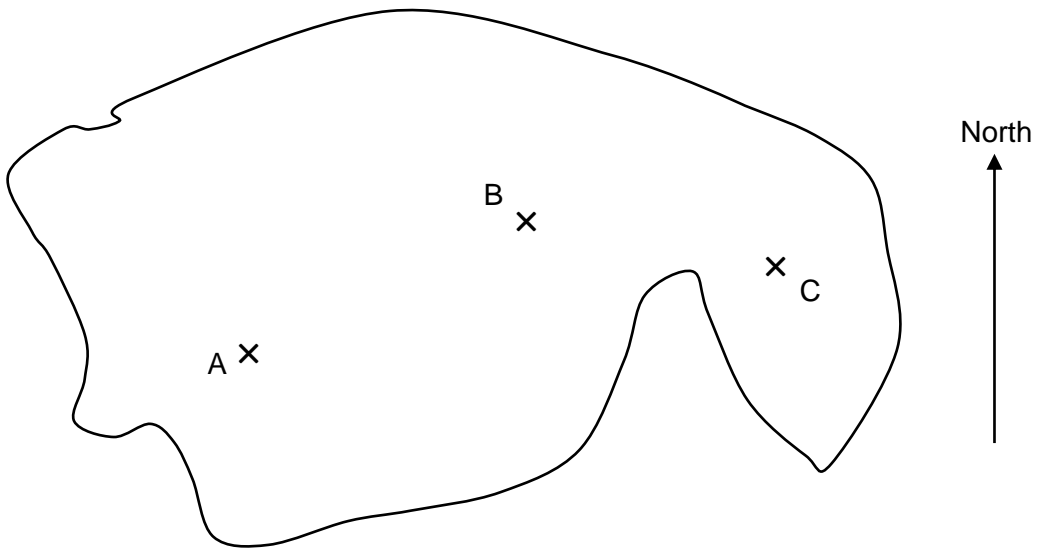
Answer _____ °

1 (d) Write down the three-figure bearing of Trowbridge from Bradford-on-Avon [1 mark]

_____ °
Answer _____ °



2 Here is a map of an island with towns A, B and C.



2 (a) Find the three-figure bearing of town B from town A. [1 mark]

Answer _____ °

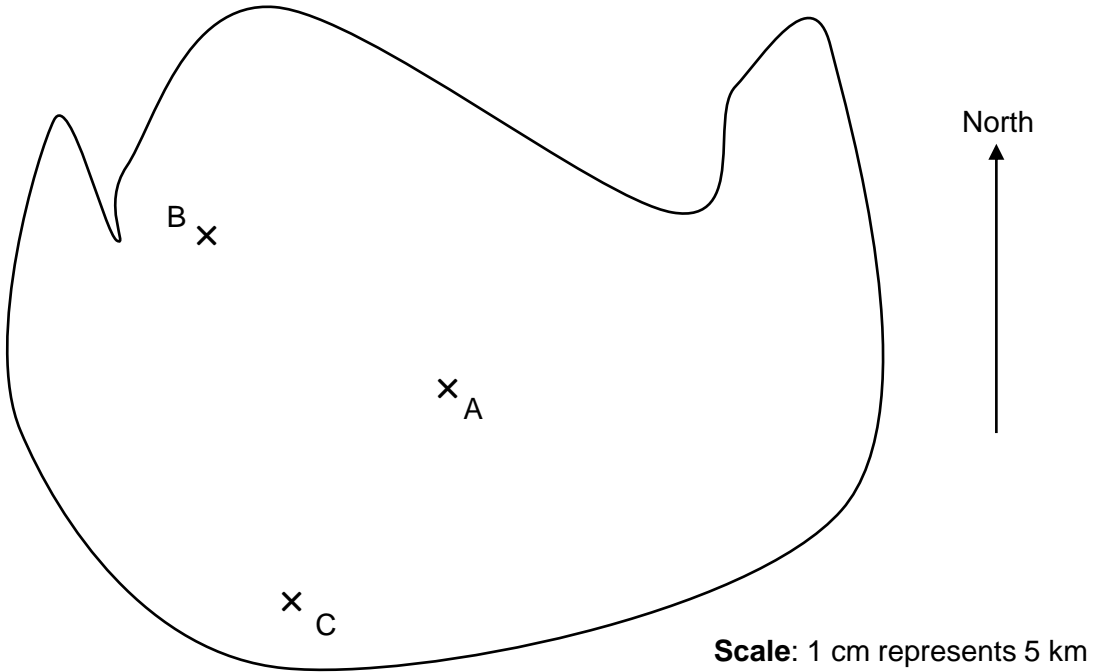
2 (b) Find the three-figure bearing of town C from town B. [1 mark]

Answer _____ °

2 (c) Town D is
due North of town A
and
due West of town B
Mark town D onto the map. [1 mark]



3 Here is a map of an island with towns A, B and C.



3 (a) Find the three-figure bearing of town B from town A. [1 mark]

Answer _____ °

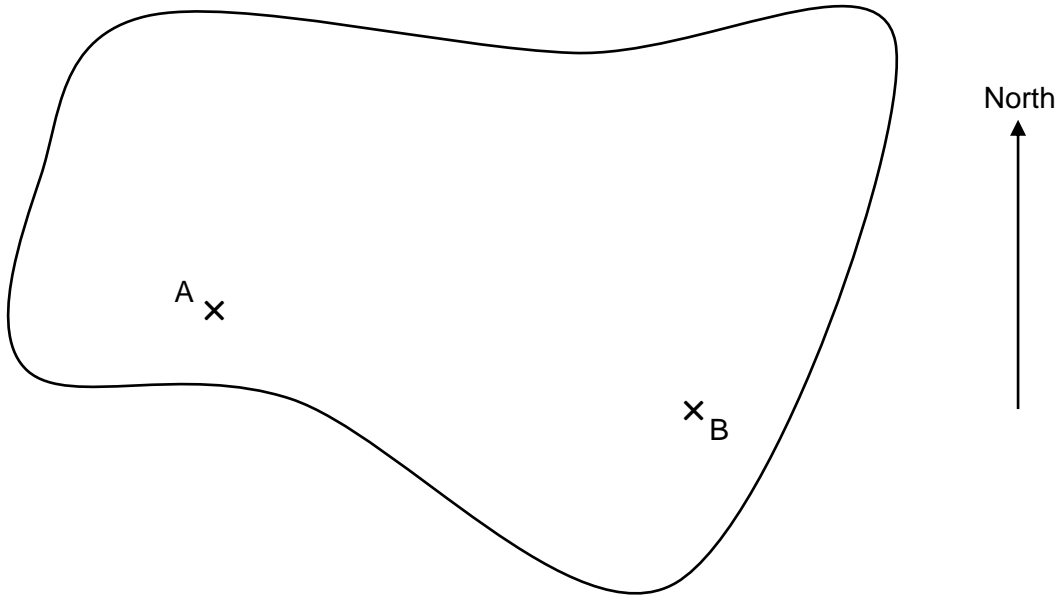
3 (b) Find the three-figure bearing of town C from town A. [1 mark]

Answer _____ °

3 (c) Town D is 20 km from town A.
The bearing of town D from town A is 085°
Mark town D onto the map. [2 marks]



4 Here is a map of an island showing towns A and B.



4 (a) Find the three-figure bearing of town B from town A. [1 mark]

Answer _____ °

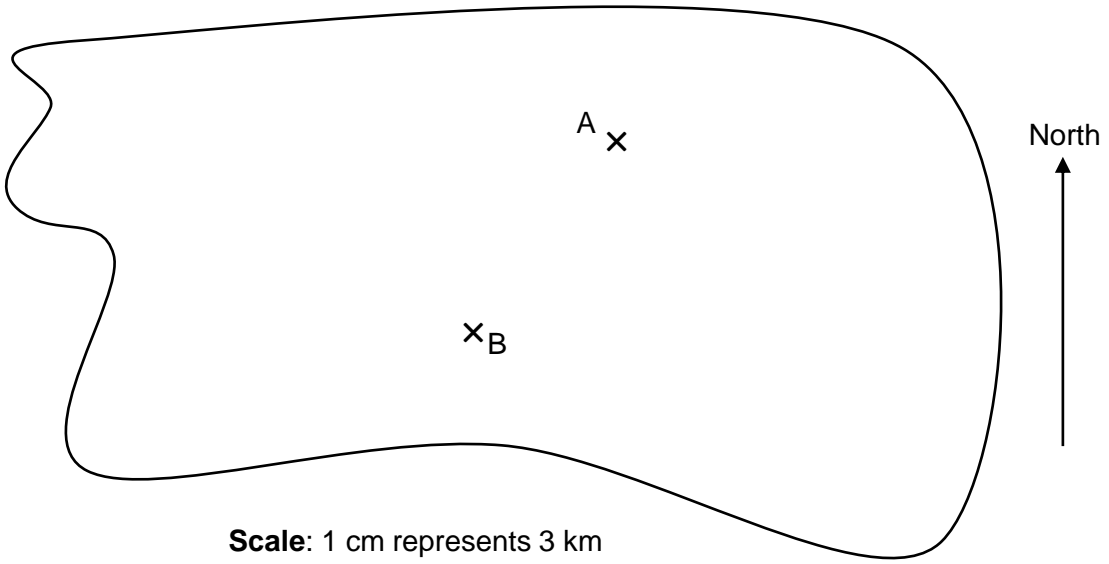
4 (b) Find the three-figure bearing of town A from town B. [1 mark]

Answer _____ °

4 (c) The bearing of town C from town A is 070°
The bearing of town C from town B is 330°
Mark town C onto the map. [2 marks]



5 Here is a map of an island showing towns A and B.



5 (a) Town C is 15 km due West of town A.
Mark town C onto the map. [2 marks]

5 (b) Find the three-figure bearing of town B from town C. [1 mark]

Answer _____ °

5 (c) Work out the actual distance between town B and town C. [2 marks]
Give your answer in kilometres.

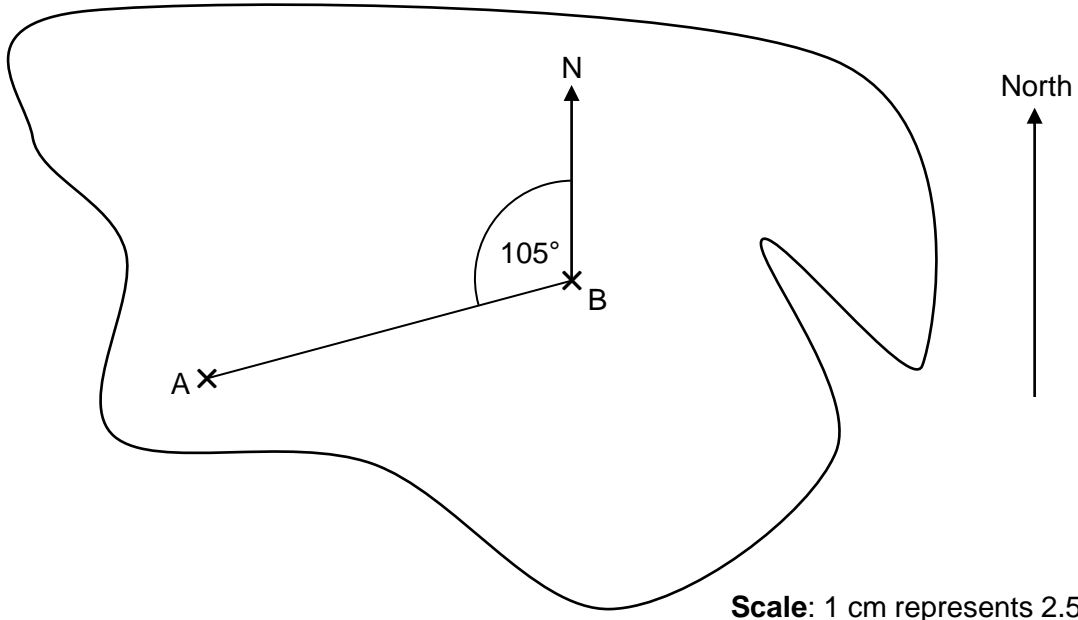
Answer _____ km

$\frac{\quad}{9}$

Turn over ►



6 Here is a map of an island showing towns A and B.



6 (a) Elijah says that the bearing of town A from town B is 105° .
Explain why Elijah is incorrect. [1 mark]

6 (b) Write down the bearing of town B from town A. [1 mark]

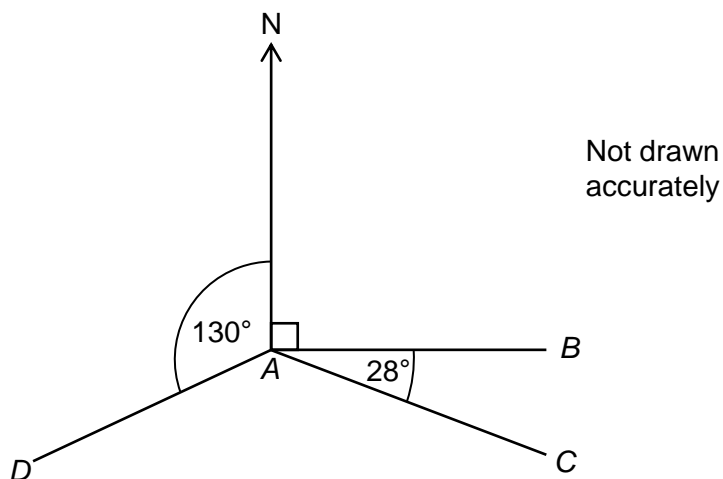
Answer _____^o

6 (c) Work out the actual distance between town A and town B.
Give your answer in kilometres. [2 marks]

Answer _____ km



7 A, B, C and D are four points.



7 (a) Write down the bearing of B from A [1 mark]

Answer _____ °

7 (b) Work out the bearing of C from A [2 marks]

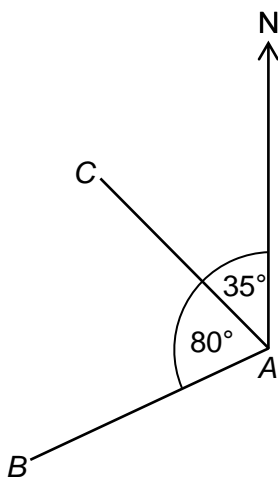
Answer _____ °

7 (c) Work out the bearing of D from A [2 marks]

Answer _____ °



8 A , B , and C are three points.



Not drawn
accurately

8 (a) Write down the bearing of C from A

[1 mark]

Answer _____ °

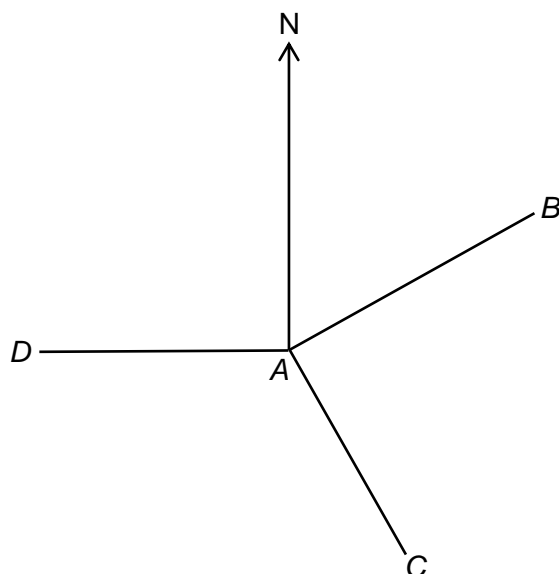
8 (b) Work out the bearing of B from A

[2 marks]

Answer _____ °



9 A, B, C and D are four points.



Not drawn accurately

D is due West of A .
The bearing of B from A is 060°
The bearing of C from A is 150°

Work out Angle DAC : Angle BAC
Give your answer in its simplest form.

[4 marks]

Answer _____ : _____

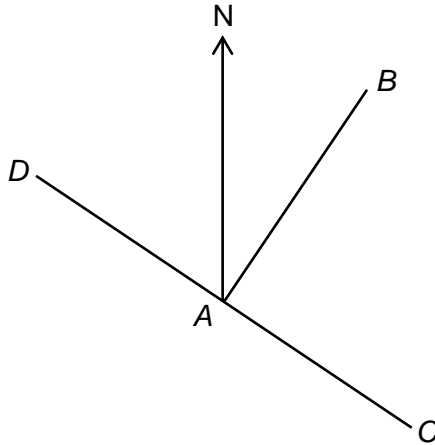
$\frac{\quad}{7}$

Turn over ►



10

A, B, C and D are four points.
 DAC is a straight line.



Not drawn
accurately

The bearing of D from $A = 304^\circ$

The bearing of C from $A = 4 \times$ the bearing of B from A .

Work out the bearing of B from A

[4 marks]

Answer _____^o





11 The bearing of A from B is 025°

Work out the bearing of B from A .

[2 marks]

Answer _____^o

12 The bearing of C from D is 220°

Work out the bearing of D from C .

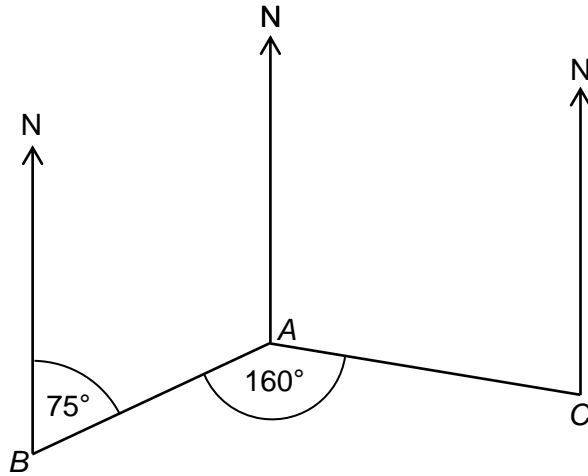
[2 marks]

Answer _____^o



13

A, B, and C are three points.



Not drawn accurately

Work out the bearing of A from C

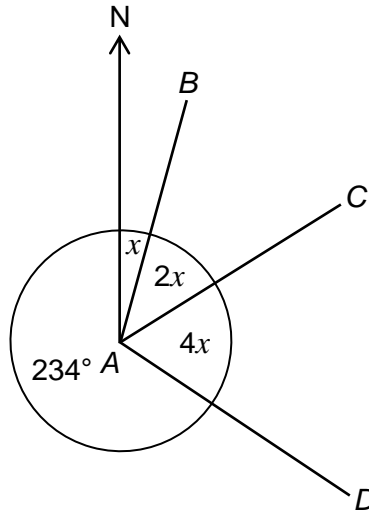
[4 marks]

Answer _____ °





14 A, B, C and D are four points.



Not drawn accurately

Work out the bearing of A from C

[5 marks]

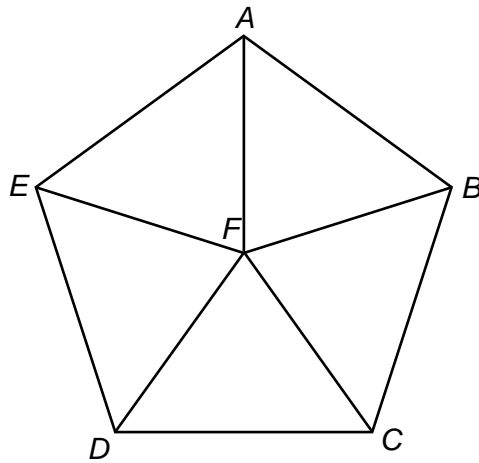
Answer _____ °

$\frac{\quad}{9}$

Turn over ►



15 5 congruent triangles are used to form regular pentagon $ABCDE$.



15 (a) Work out the bearing of D from F [2 marks]

Answer _____ °

15 (b) Work out the bearing of F from E [2 marks]

Answer _____ °

15 (c) Work out the bearing of D from E [2 marks]

Answer _____ °

6

