



Bearings



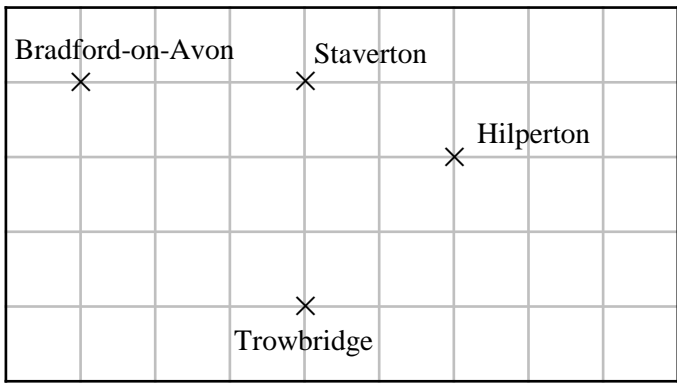
SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

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



(a) Write down the bearing of Trowbridge from Staverton.

.....
(1)

(b) Write down the bearing of Bradford-on-Avon from Staverton.

.....
(1)

(c) Write down the bearing of Hilperton from Trowbridge.

.....
(1)

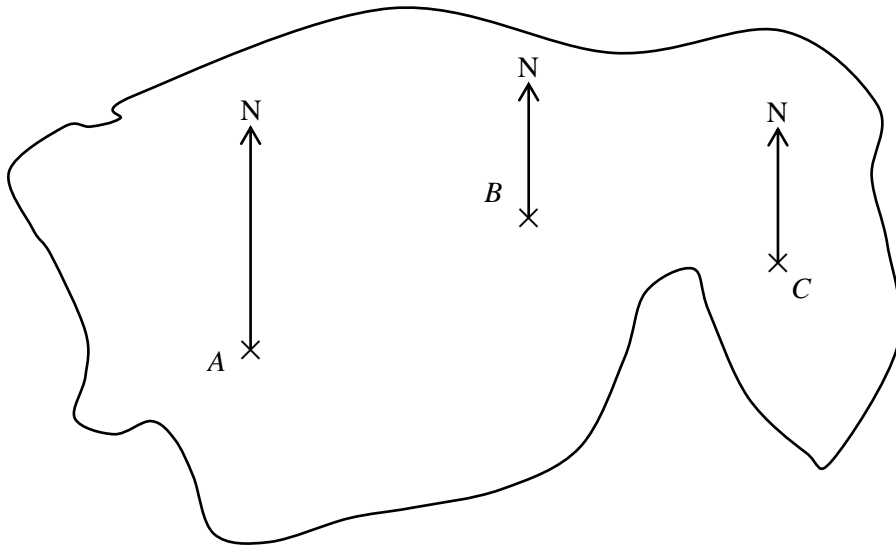
(d) Write down the bearing of Trowbridge from Bradford-on-Avon

.....
(1)

(Total for Question 1 is 4 marks)



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



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

.....
(1)

(b) Find the bearing of town C from town B .

.....
(1)

(c) Town D is

due North of town A
 due West of town B

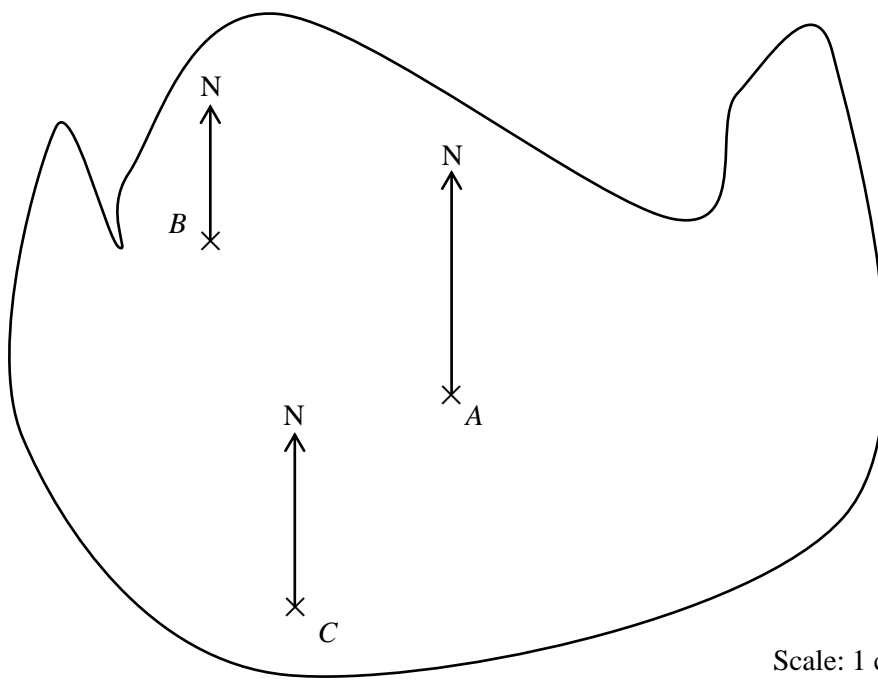
Mark town D onto the map.

(1)

(Total for Question 2 is 3 marks)



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



Scale: 1 cm represents 5 km

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

.....
(1)

(b) Find the bearing of town C from town B .

.....
(1)

(c) Town D is 20 km from town A .
The bearing of town D from town A is 085°

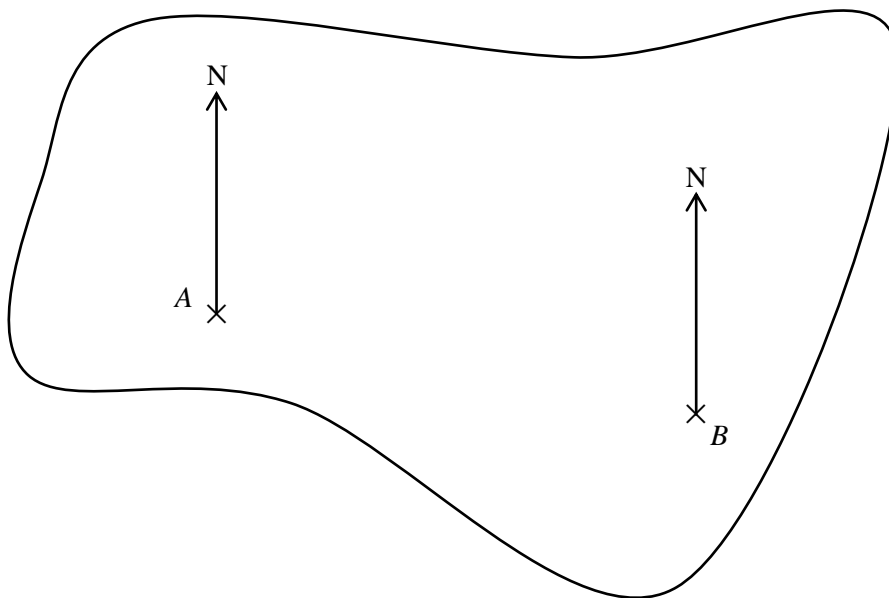
Mark town D onto the map.

(2)

(Total for Question 3 is 4 marks)



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



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

..... °
 (1)

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

..... °
 (1)

(c) The bearing of town C from town A is 070°
 The bearing of town C from town B is 330°

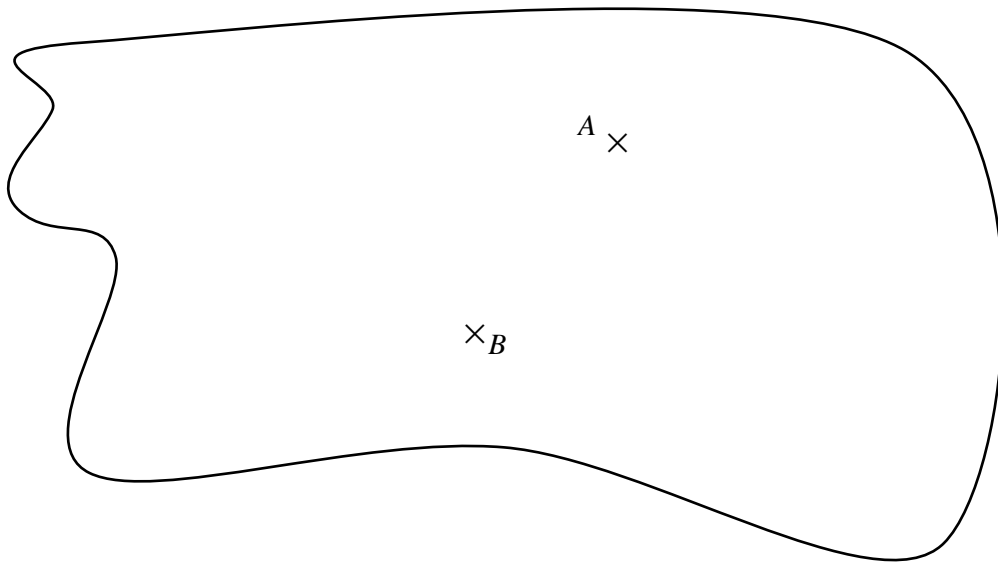
Mark town C onto the map.

(2)

(Total for Question 4 is 4 marks)



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



Scale: 1 cm represents 3 km

(a) Town C is 15 km due West of town A .

Mark town C onto the map.

(2)

(b) Find the bearing of town B from town C .

..... km
(1)

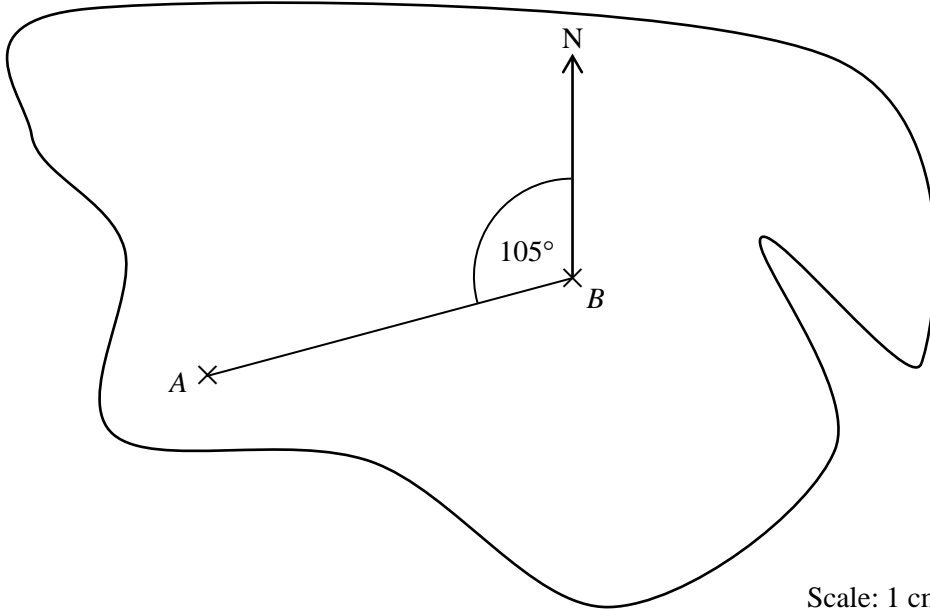
(c) Work out the actual distance between town B and town C .
Give your answer in kilometres.

..... km
(2)

(Total for Question 5 is 5 marks)



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



Scale: 1 cm represents 2.5 km

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

.....

.....

(1)

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

.....

(1)

(c) Work out the actual distance between town A and town B .
Give your answer in kilometres.

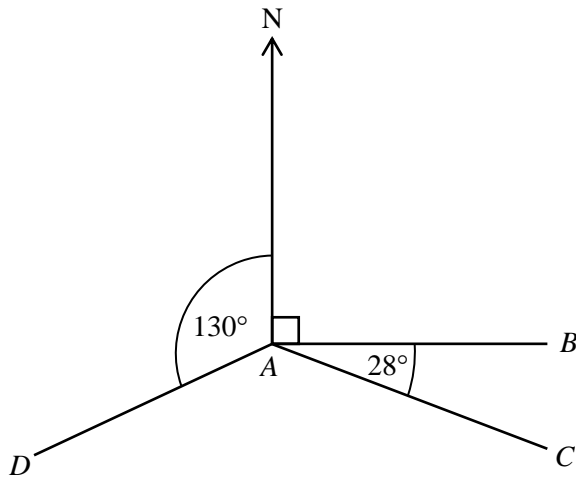
..... km

(2)

(Total for Question 6 is 4 marks)



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



Not drawn accurately

(a) Find the bearing of B from A .

.....
(1)

(b) Find the bearing of C from A .

.....
(2)

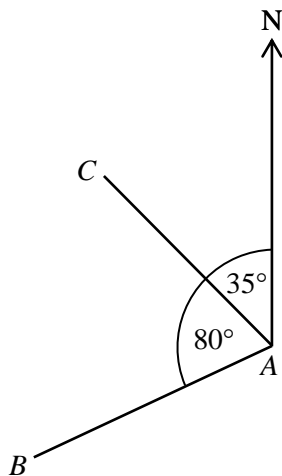
(c) Find the bearing of D from A .

.....
(2)

(Total for Question 7 is 5 marks)



8 A , B , and C are three points.



Not drawn accurately

(a) Find the bearing of C from A .

.....
(1)

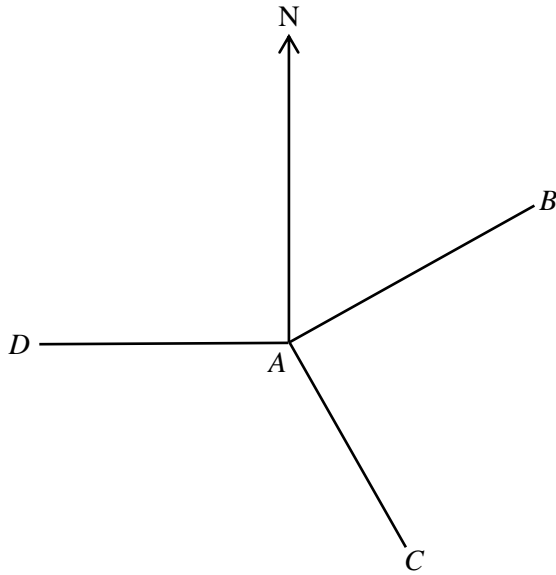
(b) Find the bearing of B from A .

.....
(2)

(Total for Question 8 is 3 marks)



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°

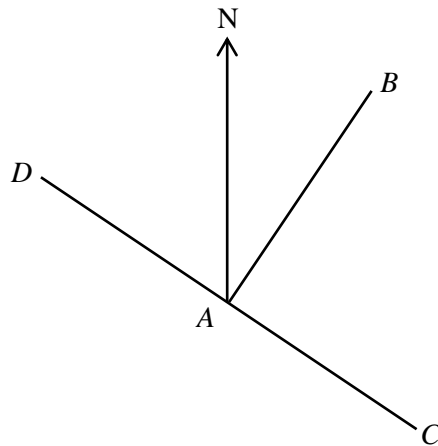
Work out Angle DAC : Angle BAC

Give your answer in its simplest form.

.....
(Total for Question 9 is 4 marks)



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



11 The bearing of A from B is 025°

Work out the bearing of B from A .

.....
(Total for Question 11 is 2 marks)

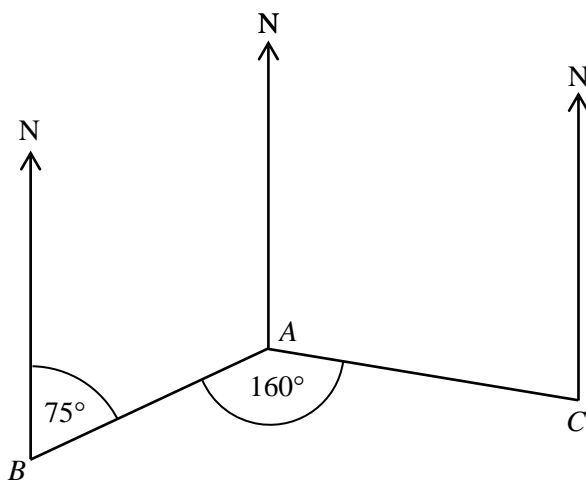
12 The bearing of C from D is 220°

Work out the bearing of D from C .

.....
(Total for Question 12 is 2 marks)



13 A , B , and C are three points.



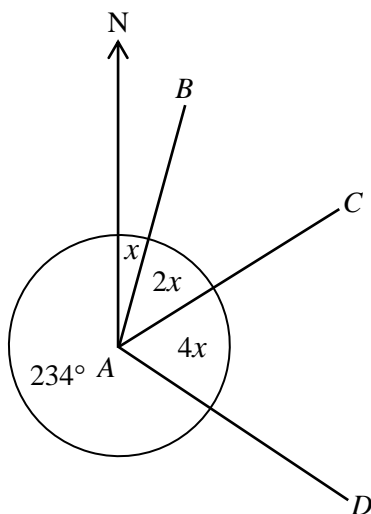
Not drawn accurately

Work out the bearing of A from C .

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



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



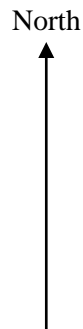
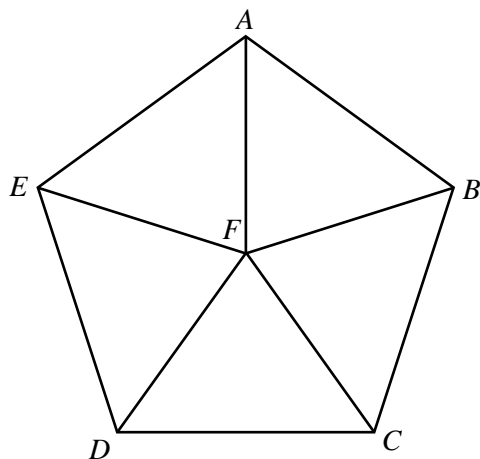
Not drawn accurately

Work out the bearing of A from C .

.....
 (Total for Question 14 is 5 marks)



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



(a) Find the bearing of D from F .

.....
(2)

(b) Find the bearing of F from E .

.....
(2)

(c) Find the bearing of D from F .

.....
(2)

(Total for Question 15 is 6 marks)

