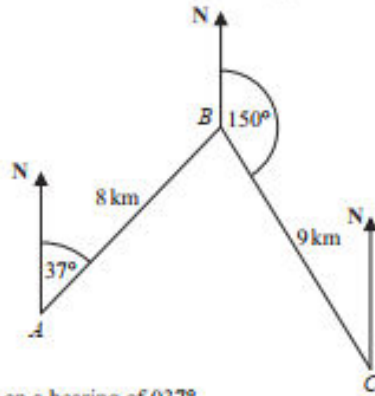


BEARINGS

Pearson Edexcel - Tuesday 11 June 2019 - Paper 3 (Calculator) Higher Tier

1.

23 The diagram shows the positions of three towns, Acton (A), Barston (B) and Chorlton (C).



Barston is 8 km from Acton on a bearing of 037°
Chorlton is 9 km from Barston on a bearing of 150°

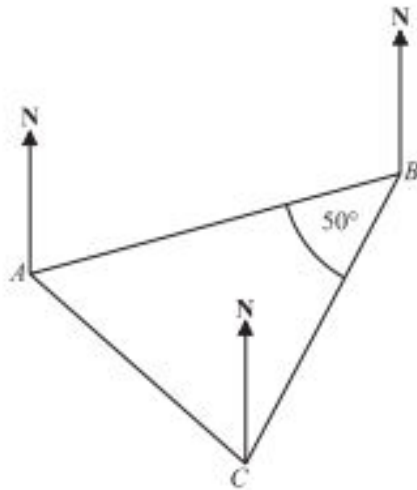
Find the bearing of Chorlton from Acton.
Give your answer correct to 1 decimal place.
You must show all your working.

(Total for Question 23 is 5 marks)

Pearson Edexcel - Specimen Papers Set 1 - Paper 2 (Calculator) Higher Tier

2.

9 The diagram shows the positions of three points, A , B and C , on a map.



The bearing of B from A is 070°

Angle ABC is 50°

$AB = CB$

Work out the bearing of C from A .

.....

(Total for Question 9 is 3 marks)

- 11 Manchester airport is on a bearing of 330° from a London airport.
(a) Find the bearing of the London airport from Manchester airport.

.....
(2)

- The London airport is 200 miles from Manchester airport.
A plane leaves Manchester airport at 10 am to fly to the London airport.
The plane flies at an average speed of 120 mph.
(b) What time does the plane arrive at the London airport?

.....
(4)

(Total for Question 11 is 6 marks)

Pearson Edexcel - Monday 8 June 2015 - Paper 2 (Calculator) Higher Tier

4.

- 13 Martin and Janet are in an orienteering race.
Martin runs from checkpoint A to checkpoint B , on a bearing of 065°
Janet is going to run from checkpoint B to checkpoint A .
Work out the bearing of A from B .

.....

(Total for Question 13 is 2 marks)

Pearson Edexcel - Friday 13 June 2014 - Paper 2 (Calculator) Higher Tier

5.

15 The diagram shows the positions of three turbines A , B and C .

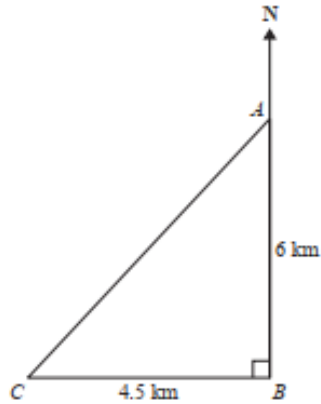


Diagram NOT
accurately drawn

A is 6 km due north of turbine B .
 C is 4.5 km due west of turbine B .

(a) Calculate the distance AC .

..... km
(3)

(b) Calculate the bearing of C from A .
Give your answer correct to the nearest degree.

.....
(4)

(Total for Question 15 is 7 marks)

Pearson Edexcel - Tuesday 6 November 2012 - Paper 1 (Non-Calculator) Higher Tier

6.

14 The bearing of a ship from a lighthouse is 050°

Work out the bearing of the lighthouse from the ship.

°

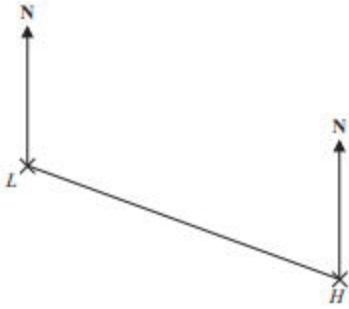
.....

(Total for Question 14 is 2 marks)

Pearson Edexcel - Monday 11 June 2012 - Paper 1 (Non-Calculator) Higher Tier

7.

14 The diagram shows the position of a lighthouse L and a harbour H .



The scale of the diagram is 1 cm represents 5 km.

(a) Work out the real distance between L and H .

..... km
(1)

(b) Measure the bearing of H from L .

.....
(1)

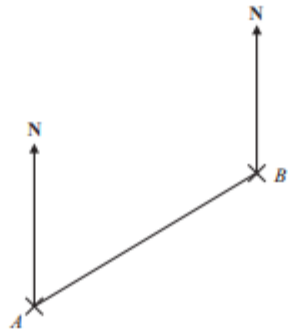
A boat B is 20 km from H on a bearing of 040° .

(c) On the diagram, mark the position of boat B with a cross (\times).
Label it B .

(2)

(Total for Question 14 is 4 marks)

11. The diagram shows the positions of two telephone masts, *A* and *B*, on a map.



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

.....°
(1)

Another mast *C* is on a bearing of 160° from *B*.
On the map, *C* is 4 cm from *B*.

(b) Mark the position of *C* with a cross (x) and label it *C*.

(2)

(Total 3 marks)

OCR GCSE – Tuesday 11 June 2019 – Paper 6 (Calculator) Higher Tier

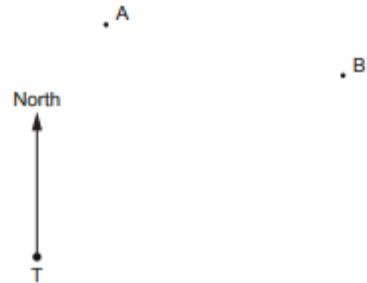
9.

- 17 T is a radar tower.
A and B are two aircraft.

At 3pm

- aircraft A is 3250 km from T on a bearing of 015°
- aircraft B is 4960 km from T on a bearing of 057° .

Not to scale



- (a) Aircraft A flies directly towards radar tower T at a speed of 890 km/h.

At what time will the aircraft pass over radar tower T?
Give your answer to the nearest minute.

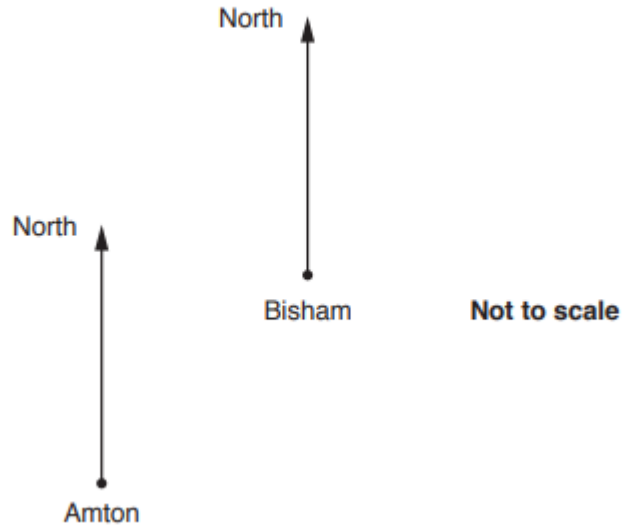
(a) [4]

(b) Calculate the distance that was between aircraft A and aircraft B at 3pm.

(b) km [4]

10.

9 The diagram shows the positions of two towns, Amton and Bisham.



The bearing of Bisham from Amton is b° .
The bearing of Amton from Bisham is $6b^\circ$.

Calculate the 3-figure bearing of Amton from Bisham.

..... $^\circ$ [4]

11.

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

B is 25 kilometres due East of A.
C is 25 kilometres due North of A.
D is 45 kilometres due South of A.

North



Not to scale

C ×

A ×

×
B

D ×

(a) Work out the bearing of B from C.

(a) ° [2]

(b) Calculate the bearing of D from B.

(b) ° [4]

AQA GCSE – Thursday 8 November 2018 – Paper 2 (Calculator) Higher Tier

12.

4 The bearing of A from B is 310°

Circle the bearing of B from A .

[1 mark]

050°

110°

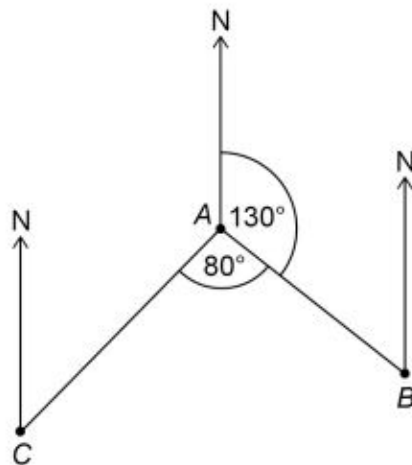
130°

220°

AQA GCSE – Tuesday 13 June 2017 – Paper 3 (Calculator) Higher Tier

13.

4



Not drawn accurately

Work out the bearing of C from A .

Circle your answer.

[1 mark]

030°

130°

150°

210°