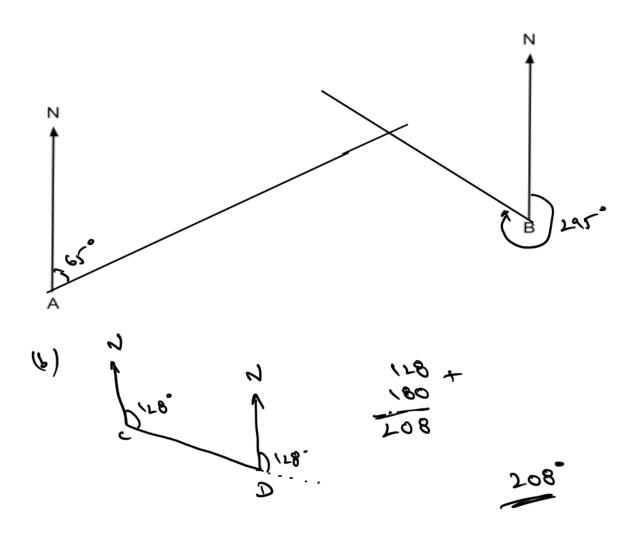


1. The diagram shows the position of two ships, A and B. A ship C is on a bearing of 065° from ship A. Ship C is also on a bearing of 295° from ship B.

(a) Draw an accurate diagram to show the position of ship C. Mark the position of ship C with a cross X. Label it C.

Another ship D is on a bearing of 128° from ship C.

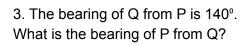
(b) Work out the bearing of ship C from ship D.



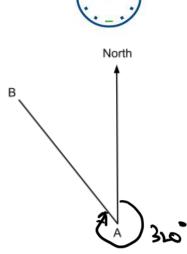


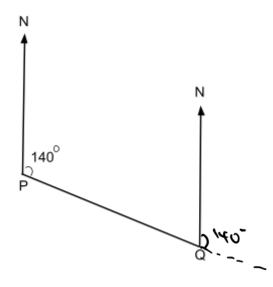
2. Measure and write down the bearing of B from A



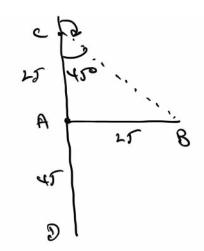


The drawing is not to scale.





4. 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.Calculate the bearing of B from C.





204 CAH TOA SOH CAH TOA

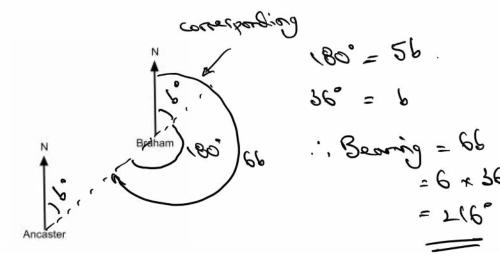
5. The diagram shows the positions of two towns, Ancaster and Braham.

The bearing of Braham from Ancaster is b°

The bearing of Ancaster from Braham is 6b°

Calculate the 3 digit bearing of Ancaster from Braham.

(4 marks)



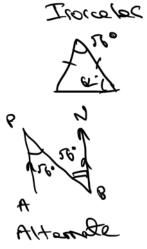


6. A and B are ships. P is a port.A is due South of P.Angle APB = 56°AP = BP

Work out the bearing of A from B.

(3 marks)

North



180-16 = 124 124 = 62° Bearing A from B 360-16-62 = 242°

(4 marks)

- 7. The accurate scale drawing shows the positions of port P and a lighthouse L. Aleena sails her boat from port P on a bearing of  $070^{\circ}$  She sails for 1 ½ hours at an average speed of 12 km/h to a port Q. Find
- (i) the distance, in km, of port Q from lighthouse L,
- (ii) the bearing of port Q from lighthouse L.