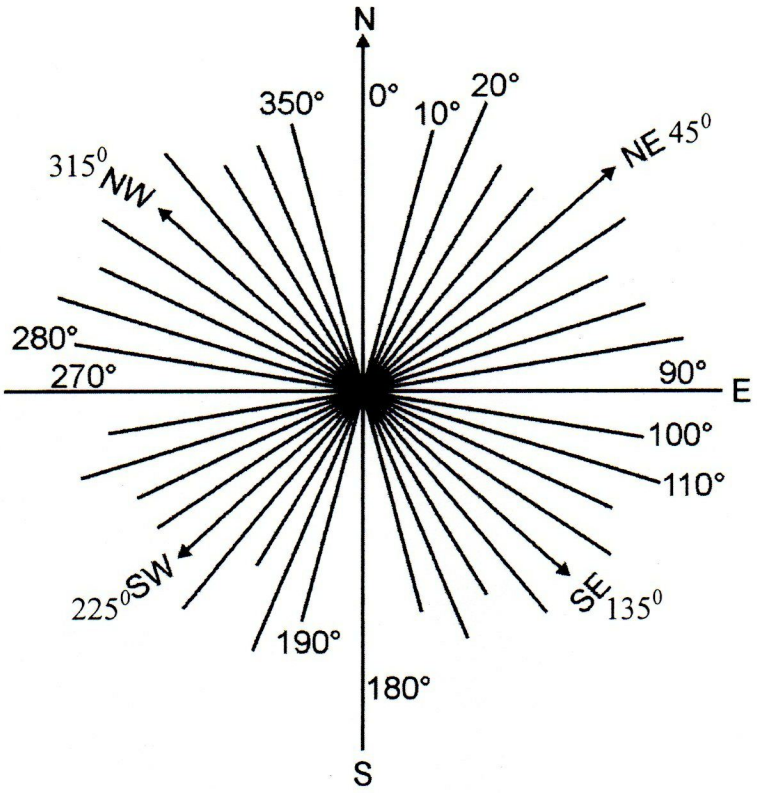
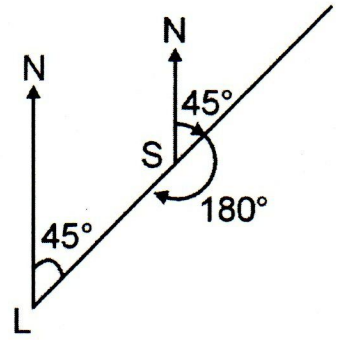
Bearings

They are a useful way of describing directions.
Directions are measured from north in a clockwise direction and usually written as three figure numbers. So a bearing of 45° will be 045°.

Direction Scale:



Example 1: The bearing of a ship from light house is 045°.
What is bearing of light house from ship.

	Sol: Required bearing = 180° + 45° = 225°

Exercise:

Q.1 Which bearing is the same as:

(a) East _____

(b) South _____

(c) South-east _____

(d) South-west _____

(e) North west _____

(f) North east _____

(g) West _____

(h) North _____

Q.2 Which compass point in the same as

(a) 090° _____

(b) 270° _____

(c) 135° _____

(d) 045° _____

(e) 180° _____

(f) 315° _____

Q.3 Find the bearing of B from A if the bearing of A from B is:

(a) 090° _____

(b) 120° _____

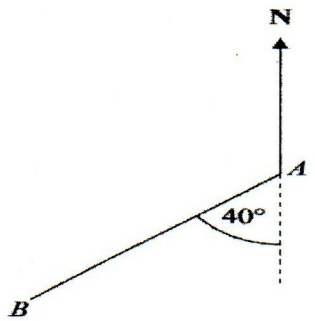
(c) 355° _____

(d) 203° _____

(e) 190° _____

(f) 270° _____

Q.4 Find the bearing of B from A from the given diagram



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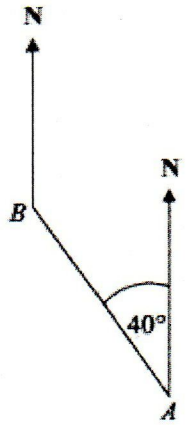
5) The diagram shows the positions of two ships, *A* and *B*.



Ali says
"The bearing of ship *B* from ship *A* is 040°".
Ali is wrong.
(a) Explain why.

.....

.....

(b) Work out the bearing of ship *A* from ship *B*.

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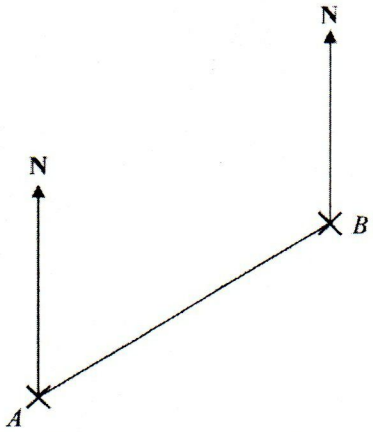
6) The diagram shows the positions of two telephone masts, *A* and *B*, on a map.



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

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*.