8. *(a)* The points *A* and *B* on the grid represent two towns. Find the bearing of *B* from *A*.

....

[1]
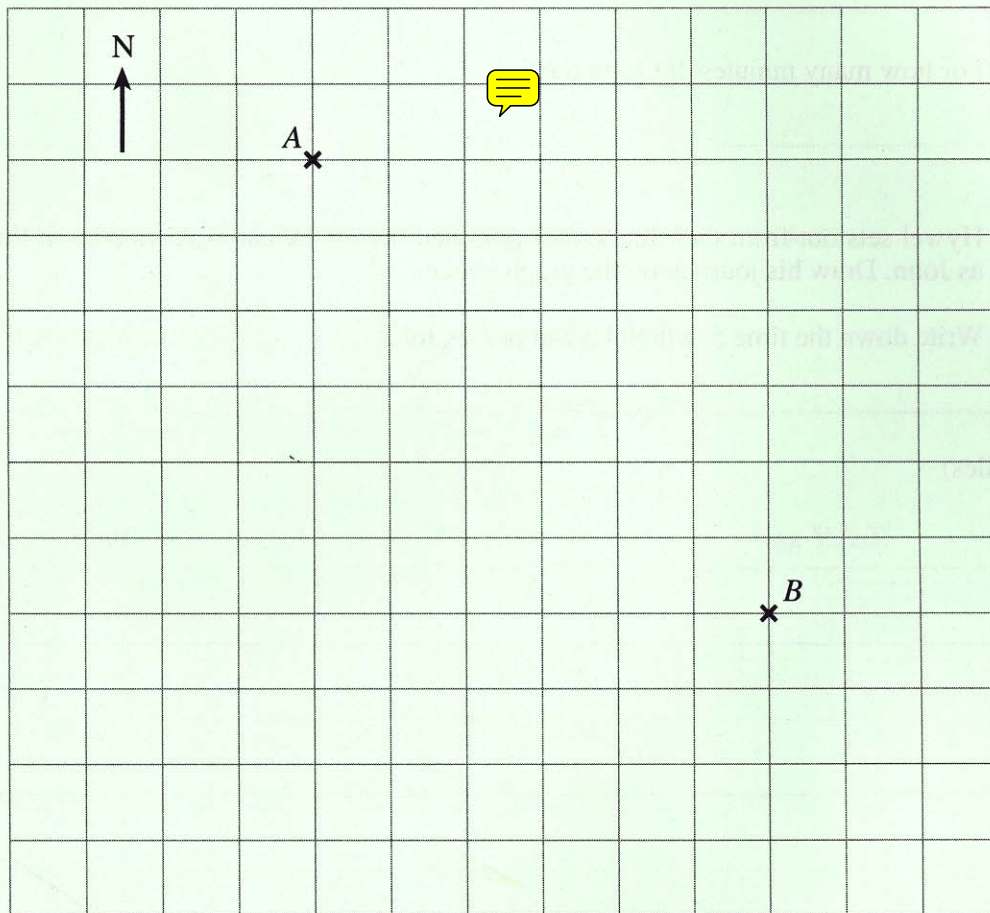
(b) Another town, *C*, is on a bearing of 200° from *A* and on a bearing of 290° from *B*. Plot, as accurately as you can, the position of this town.
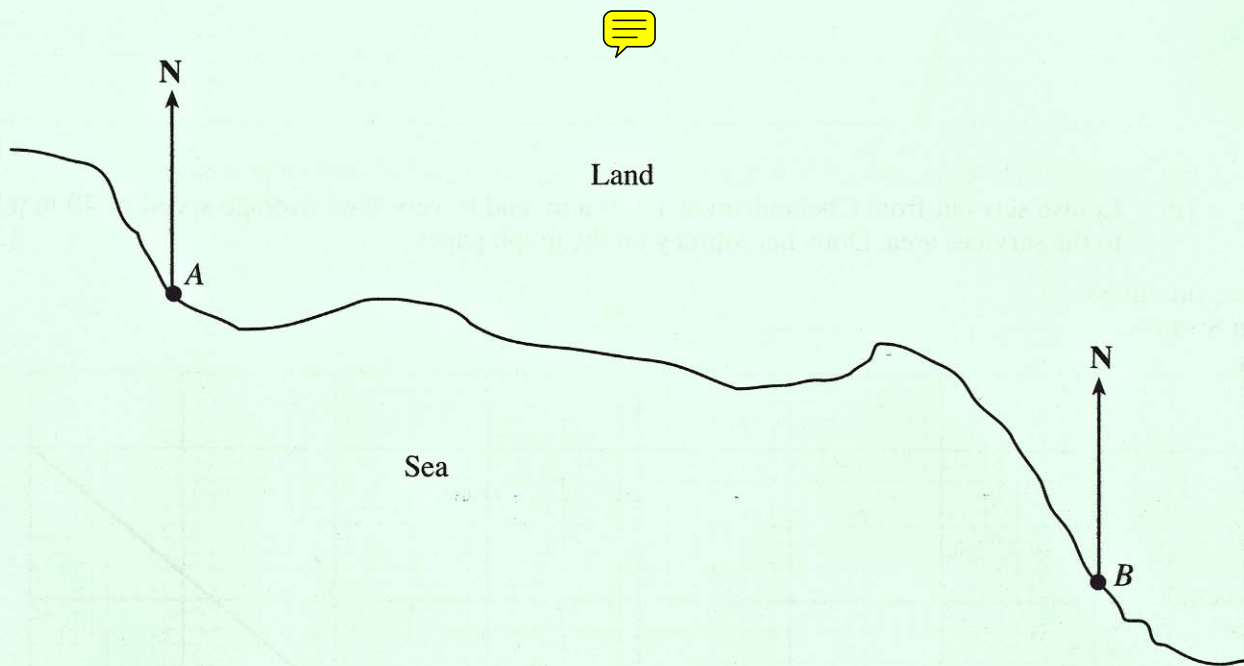
[3]

9. *(a)* The diagram below shows two radar stations *A* and *B* near the coast. Write down the bearing of *A* from *B*.

....
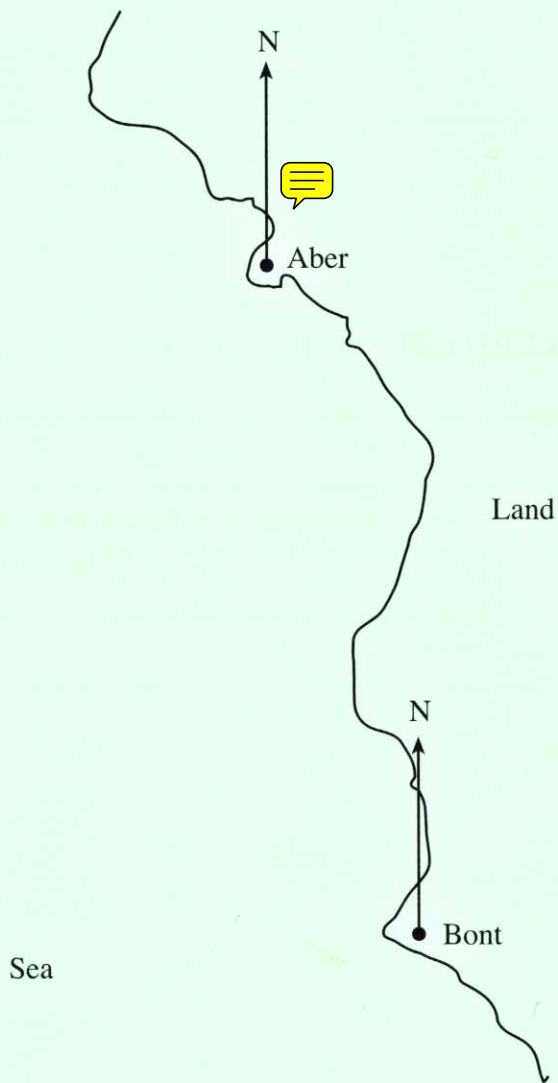
[1]

(b) A ship is detected on a bearing of 152° from the radar station at *A* and on a bearing of 218° from the radar station at *B*. Draw these bearings and mark the position of the ship as *C*.
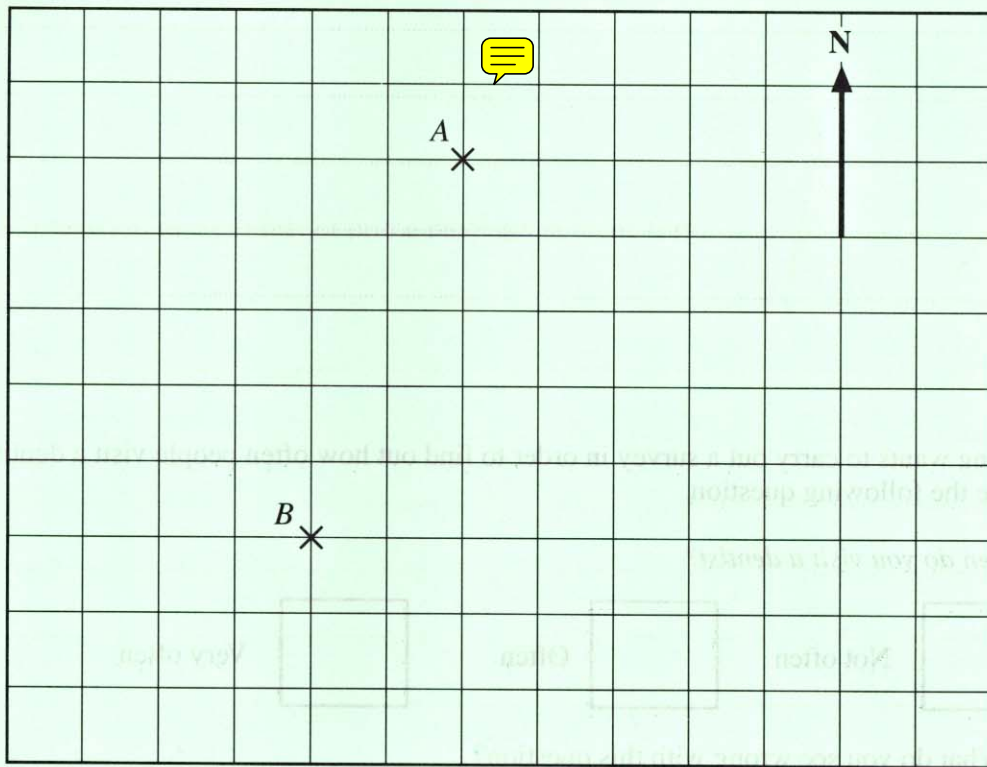
[3]

8. Aber and Bont are two villages near the coast. A yacht is on a bearing of 235° from Aber and on a bearing of 292° from Bont. Draw these bearings and mark the position of the yacht as *C*.

[3]

9. (a) A and B represent the position of 2 towns on a grid. Write down the bearing of B from A.

....
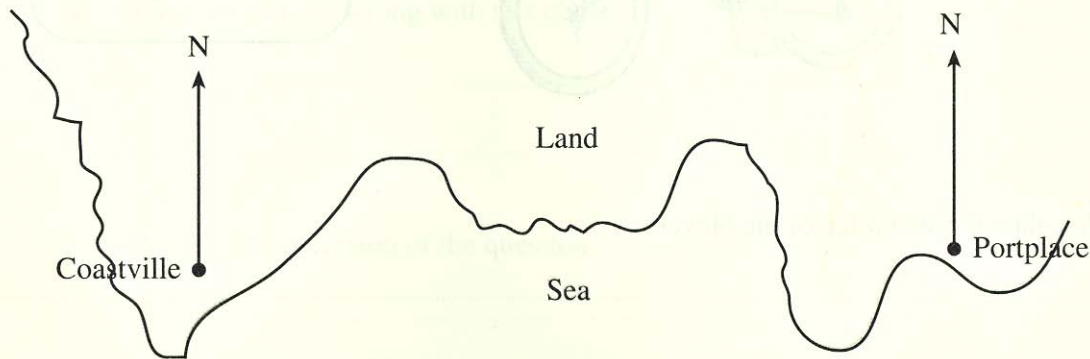
[2]

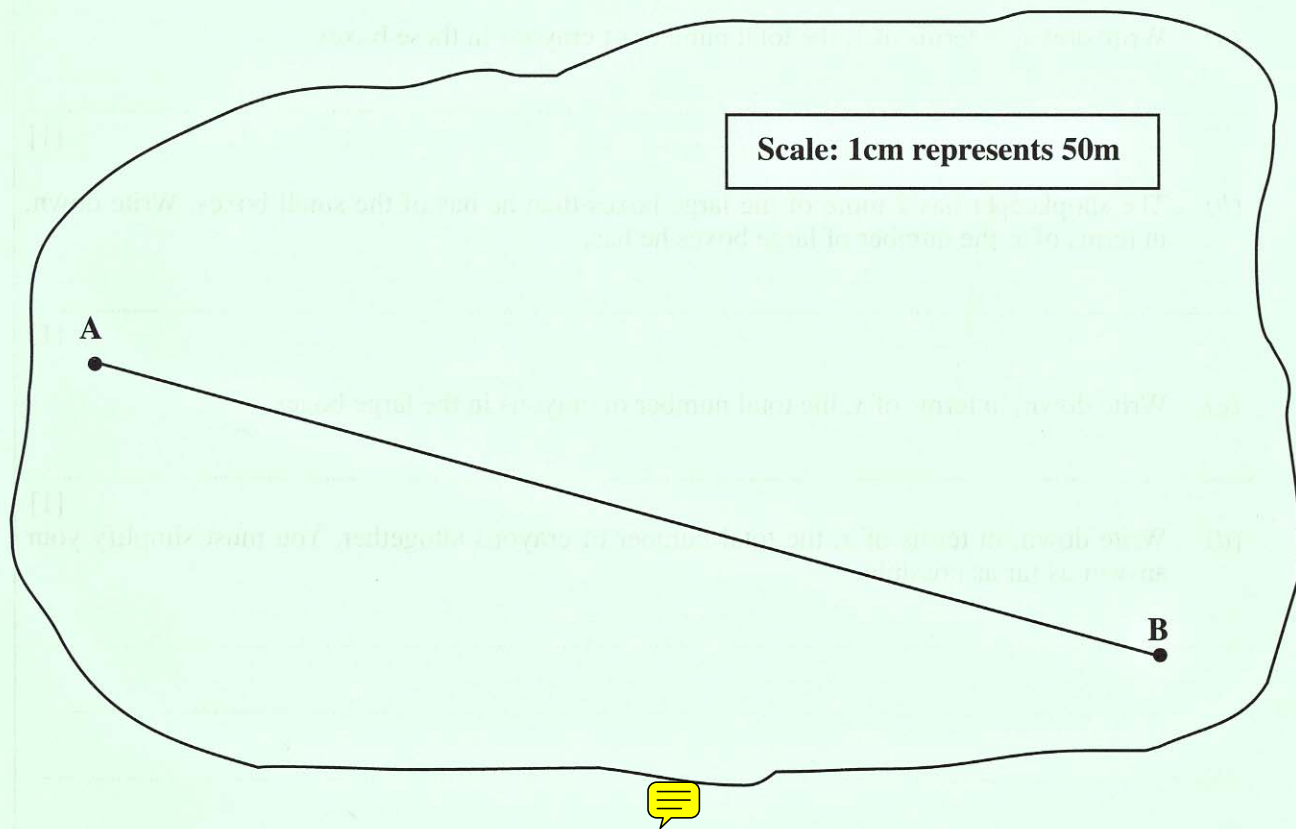(b) Another town, C, is due East of B and on a bearing of 150° (S30°E) from A. Plot, as accurately as you can, the position of this town. [2]

9. Coastville and Portplace are two coastguard stations. A ship is on a bearing of 165° (S15°E) from Coastville and on a bearing of 228° (S48°W) from Portplace. Draw these bearings and mark the position of the ship. [3]

N

Land

N

Coastville •

Sea

• Portplace

6. The diagram shows two points *A* and *B* on a map. Measure the length of *AB* on the map and use the scale of the map to find the actual distance, *AB*, in metres. [3]

Scale: 1cm represents 50m

A

B

....

....

....

Actual length of *AB* = ... metres