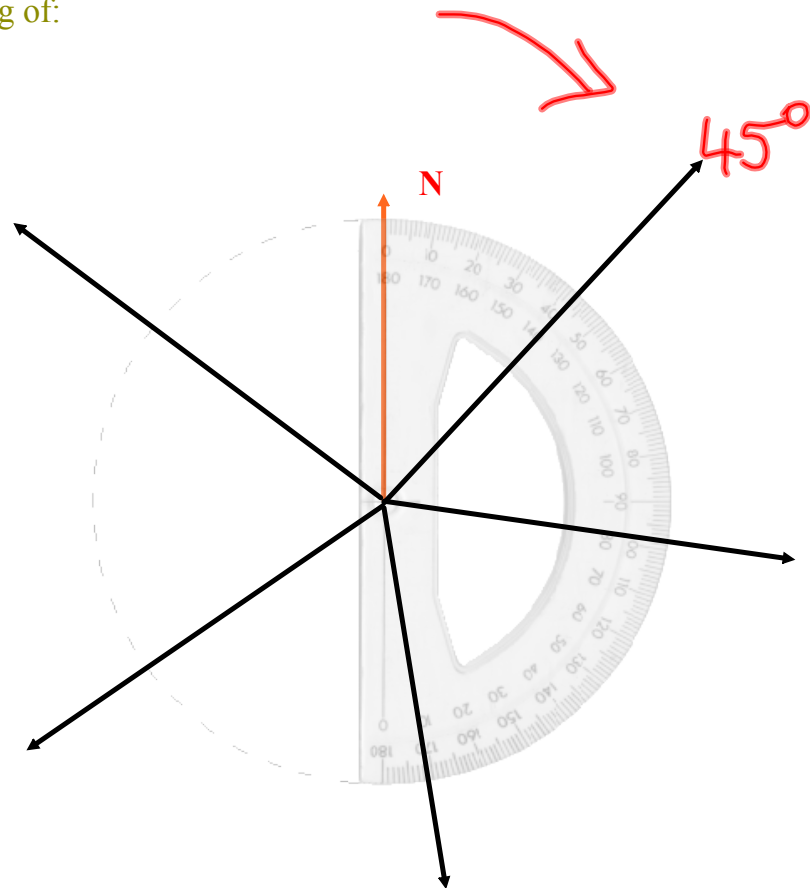


# Bearings

Bearings are always measured clockwise from the North line.

Draw lines at a bearing of:

- a)  $45^\circ$
- b)  $99^\circ$
- c)  $170^\circ$
- d)  $230^\circ$
- e)  $305^\circ$



## Fancy fields

Draw this shape.

Start at A and draw a line 10cm long on a bearing of  $150^{\circ}$ .

You are at B.

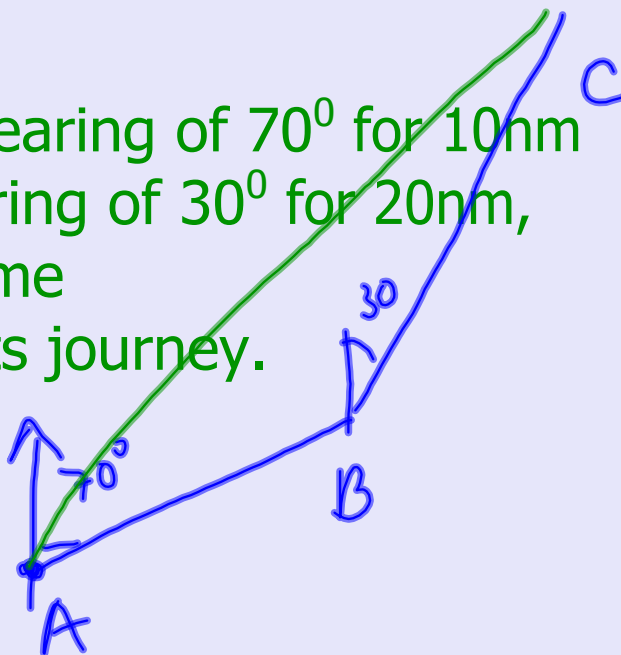
From B, travel on a bearing of  $210^{\circ}$  for 10cm. You are at C.

From C, travel for 10cm on a bearing of  $330^{\circ}$  until you get to D.

What bearing do you travel on to get back to A?



A boat sails on a bearing of  $70^\circ$  for 10nm and then on a bearing of  $30^\circ$  for 20nm, before heading home. Make a sketch of its journey.



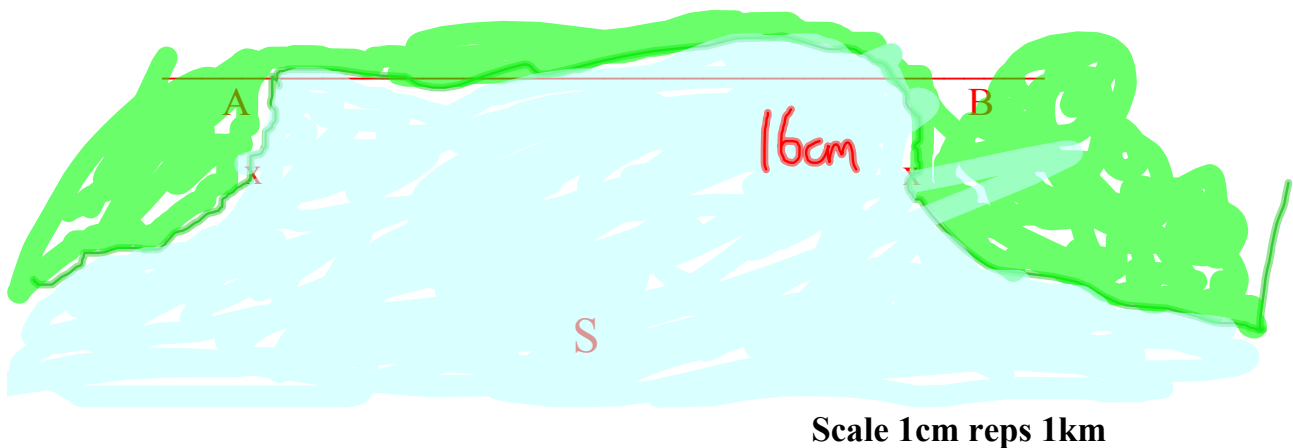
### Getting your Bearings

Andrew is on the cliff and sees someone drowning out at sea.

Bill is standing on a different cliff but sees the same person.

Andrew and Bill are 16km apart.

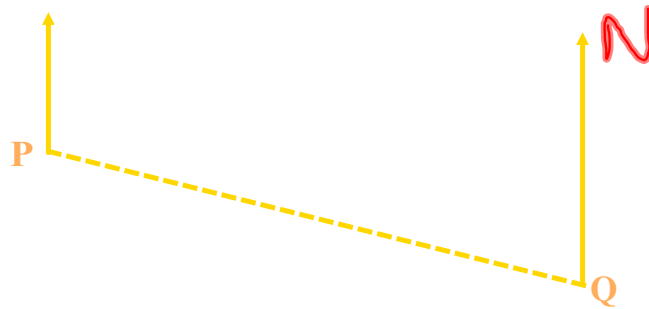
The swimmer (drowner) is at a bearing of 157 from Andrew and 213 from Bill. Locate his position and how far away he is from Andrew and Bill.



The coastguard helicopter is on a bearing of 103 from Andrew and 244 from Bill.

Locate the position of the helicopter. How far is it from Andrew and Bill?

Draw 2 random points on your page P and Q.



Measure the bearing of Q from P (That means put your protractor on P)

Measure the bearing of P from Q.(That means put your protractor on Q)

Now do the same with two other points. What do you notice?

### **Bearings clue sheet**

**Text book page 384: D5, D6 .**