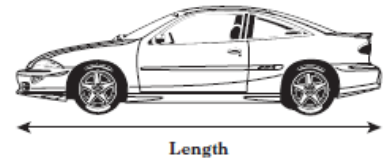


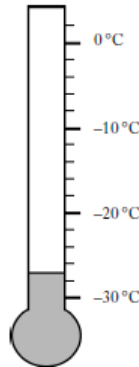
You will require a ruler and protractor for this homework.

Essential knowledge:

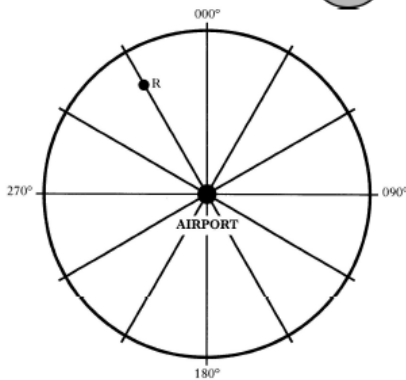
1. Measure the length of the car on the right in millimetres. Using the scale $1\text{mm} = 10\text{cm}$, find the actual length of the car in **metres**.



2. Write down the measurement shown in each scale:

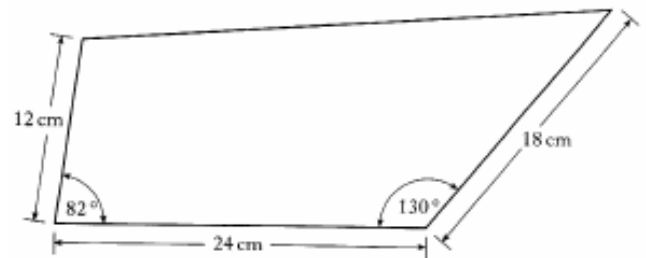


- 3.



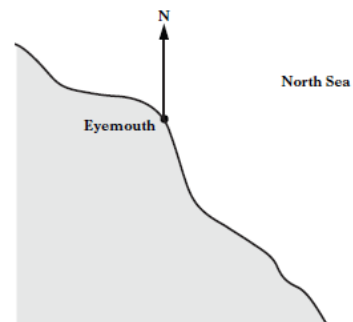
Write down the bearing of the aircraft marked R from the airport.

4. Using a scale of 1:3, make a scale drawing of the panel on the right?

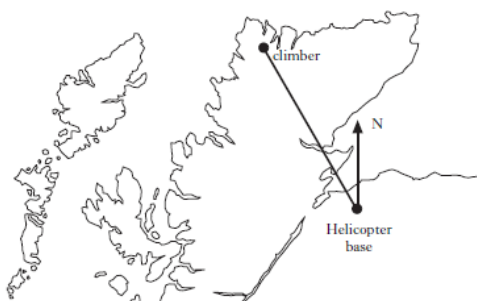


Unit level:

5. An off-shore wind farm is on a bearing of 115° at a distance of 90 kilometres from Eyemouth. Using a scale of 1 centimetre to represent 10 kilometres, trace the diagram and show the position of the wind farm.



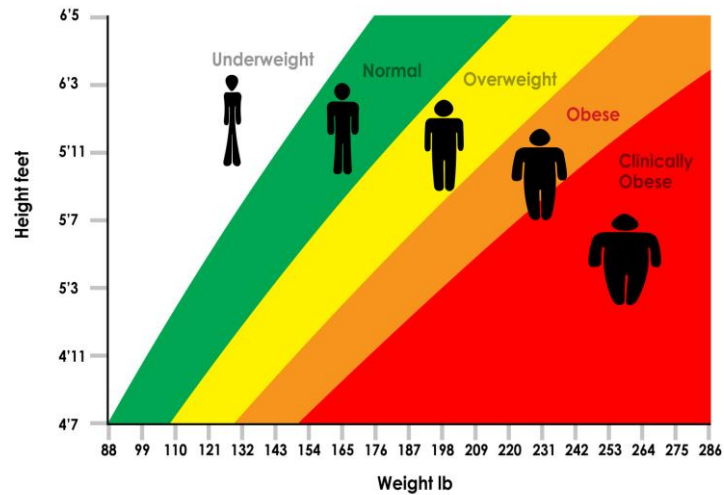
- 6.



What bearing should the helicopter take to rescue the climber?

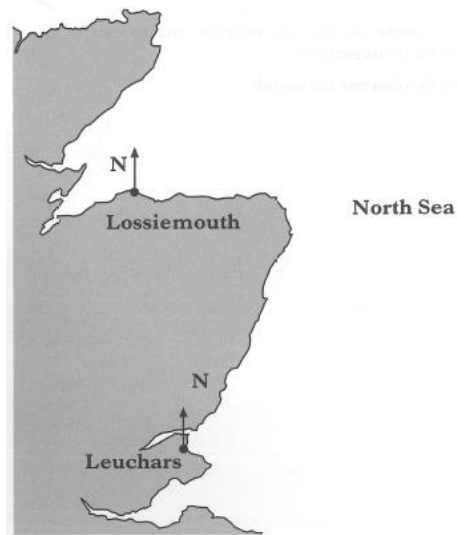
Using a scale of 1cm=50km, how far away is the climber?

7. Mairi who is 5 foot 8 inches weighs herself. What weight category does Mairi fall into?

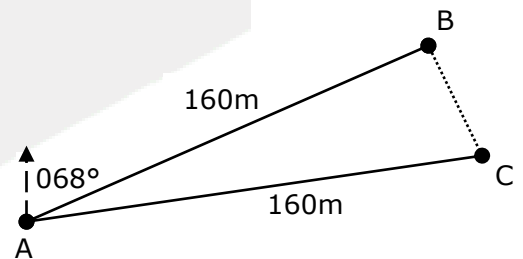


Assessment level:

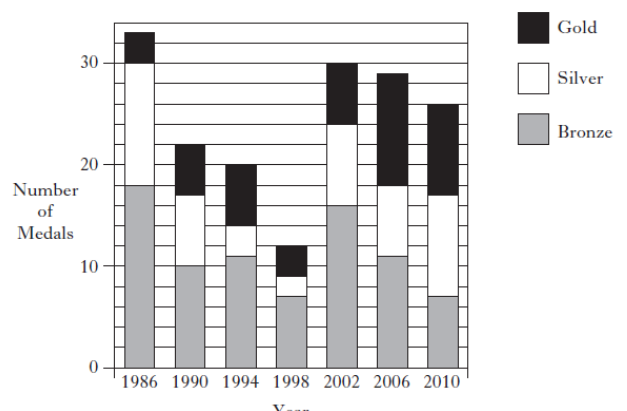
8. A ship in the North Sea is on a bearing of 110° from Lossiemouth and 075° from Leuchars. Make a tracing of the map and show the position of the ship on it.



9. Jane is taking part in an orienteering competition. She should have run 160m from A to B on a bearing of 068° . However, she accidentally ran 160m from A to C on a bearing of 086° . Make a scale drawing (1cm=20m) and find the distance she needs to run to get from C to B.



10. The bar graph shows the number of medals Scotland has won in the Commonwealth games between



1986 and 2010. How many silver medals did Scotland win in 2010?

CUMBERNAULD



ACADEMY