MTH 3-17b Homework 5

Outcome 1 - Scale Drawings

For each of the following, calculate the missing lengths…
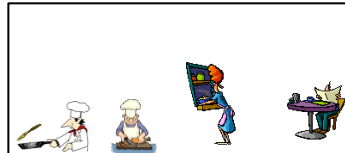
1 Scale: 1 cm to 2·5 m

Length of drawing = 11 cm
Actual Length = ? m

2 Scale: 1 cm to 4 m

Length of drawing = ? cm
Actual Length = 10 m

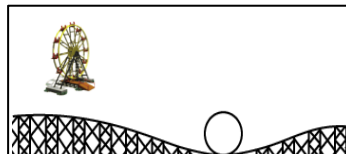**3** Scale: 1 cm to 6 m

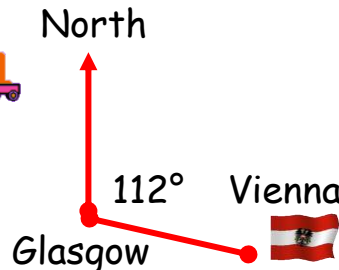Length of drawing = ? cm
Actual Length = 39 m

4 Scale: 1 cm to 18·5 m
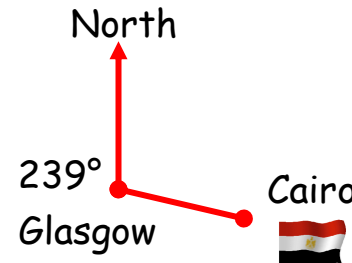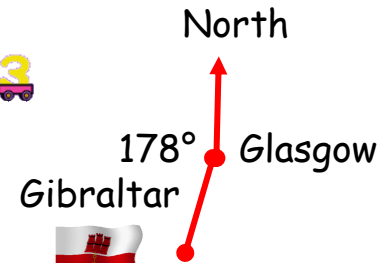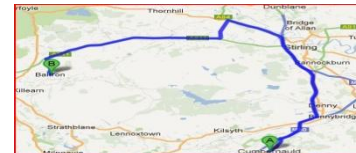
Length of drawing = 8 cm
Actual Length = ? m

Outcome 2 - Reading Maps

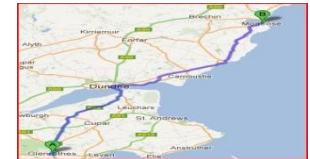For each of the following, calculate the missing distances…

1 Scale: 1 cm to 3·5 miles

Distance on map = ? cm
Actual distance = 21 m

2 Scale: 1 cm to 4·5 miles

Distance on map = 14 cm
Actual distance = ? m

3 Scale: 1 cm to 7·5 miles

Distance on map = ? cm
Actual distance = 90 m

4 Scale: 1 cm to 5·5 miles

Distance on map = 19 cm
Actual distance = ? m

Outcome 3 - 3 Figure Bearings

Write down the following 3 figure bearings from each place TO Glasgow…

1 North
112° Vienna
Glasgow

2 North
239° Cairo
Glasgow

3 North
178° Glasgow
Gibraltar