MTH 3-17b | Homework 5 | **Bronze** Level

Outcome 1 - Scale Drawings

For each of the following scale drawings, calculate the actual lengths of the rooms…
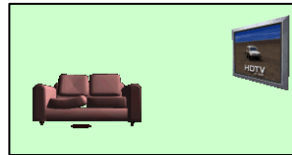
1 Scale: 1 cm to 3 m

Length of drawing = 5 cm
Actual Length = ? m

2 Scale: 1 cm to 4 m

Length of drawing = 3 cm
Actual Length = ? m

3 Scale: 1 cm to 6 m

Length of drawing = 6 cm
Actual Length = ? m

4 Scale: 1 cm to 30 m

Length of drawing = 7 cm
Actual Length = ? m

Outcome 2 - Reading Maps

For each of the following maps, calculate the actual distance between the two places…

1 Scale: 1 cm to 4 miles

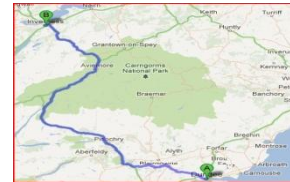Distance on map = 9 cm
Actual distance = ? m

2 Scale: 1 cm to 8 miles

Distance on map = 8 cm
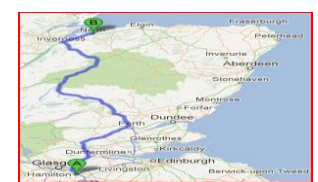Actual distance = ? m

3 Scale: 1 cm to 9 miles

Distance on map = 14 cm
Actual distance = ? m

4 Scale: 1 cm to 40 miles

Distance on map = 5 cm
Actual distance = ? m

Outcome 3 – Compass Bearings

For each of the following, work out the new direction faced…

1 A car drives north-east. It then turns 270° clockwise. What direction is it now facing?

2 A ship sails south. It then turns 135° anti-clockwise. What direction is it now facing?

3 A squadron marches west. It then turns 225° clockwise. What direction is it now facing?