## MTH 3-17b    Homework 5    Silver Level

## Outcome 1 - Scale Drawings

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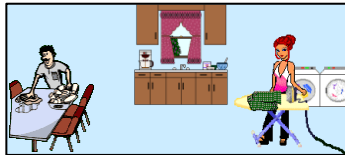
**1** Scale: 1 cm to 3 m

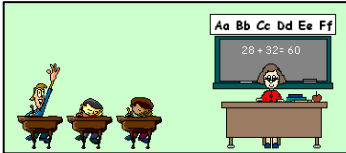Length of drawing = ? cm
Actual Length = 3 m

**2** Scale: 1 cm to 2 m

Length of drawing = ? cm
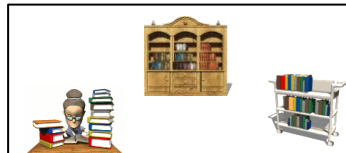Actual Length = 14 m

**3** Scale: 1 cm to 4 m

Length of drawing = ? cm
Actual Length = 32 m

**4** Scale: 1 cm to 30 m

Length of drawing = ? cm
Actual Length = 60 m

## Outcome 2 - Reading Maps

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

**1** Scale: 1 cm to 2 miles

Distance on map = ? cm
Actual distance = 50 m

**2** Scale: 1 cm to 4 miles

Distance on map = ? cm
Actual distance = 120 m

**3** Scale: 1 cm to 9 miles

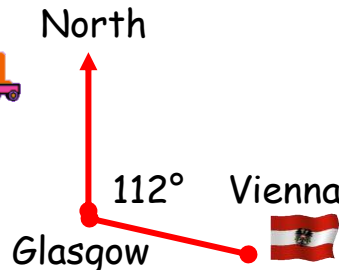Distance on map = ? cm
Actual distance = 45 m

**4** Scale: 1 cm to 40 miles
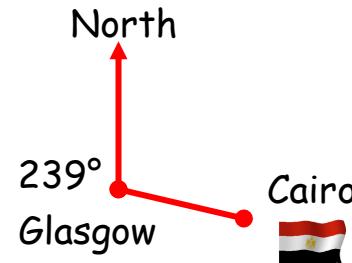
Distance on map = ? cm
Actual distance = 240 m

## Outcome 3 -
## 3 Figure Bearings

Write down the following 3 figure bearings FROM Glasgow…

**1** North
Glasgow 112° Vienna

**2** North
239° Glasgow Cairo

**3** North
178° Glasgow
Gibraltar