R I G O U R

MTH 2-17d   Homework 2   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 = 6 m

2 Scale:
1 cm to 2 m

Length of drawing = ? cm

Actual Length = 18 m
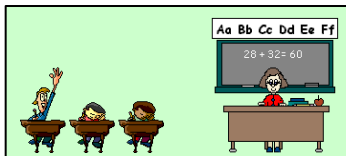
3 Scale:
1 cm to 4 m

Length of drawing = ? cm

Actual Length = 28 m

4 Scale:
1 cm to 3 m

Length of drawing = ? cm

Actual Length = 90 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 8 miles

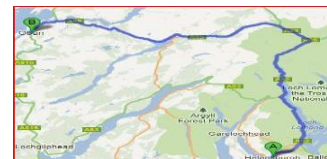Distance on map = ? cm

Actual distance = 48 m

2 Scale:
1 cm to 3 miles

Distance on map = ? cm
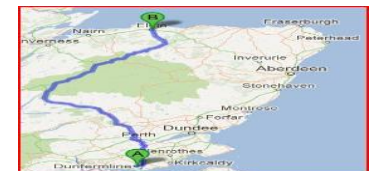
Actual distance = 120 m

3 Scale:
1 cm to 7 miles

Distance on map = ? cm

Actual distance = 49 m

4 Scale:
1 cm to 80 miles

Distance on map = ? cm

Actual distance = 240 m

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