


Outcome 2 - Reading Maps

Bronze example

Examples...

The map shows the distance between Glasgow and Edinburgh.

Scale: 1 cm to 6 miles



The distance on the map is 8 cm.

What is the actual distance between the 2 cities?


Actual Distance = $8 \times 6 = 48$ miles

Silver example

Examples...

The map shows the distance between Ayr and Paisley.

Scale: 1 cm to 8 miles



The actual distance between these two towns is 40 miles.

What is the distance on the map?


Distance on Map = $40 \div 8 = 5$ cm

Gold example

Examples...

The map shows the distance between Kilmarnock and Dumfries.

Scale: 1 cm to 4.5 miles



The actual distance between these two towns is 54 miles.

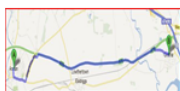
What is the distance on the map?

Distance on Map = $54 \div 4.5 = 12$ cm

Bronze Questions

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

1 Scale: 1 cm to 2 miles



Distance on map = 8 cm
Actual distance = ? m

2 Scale: 1 cm to 5 miles



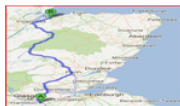
Distance on map = 9 cm
Actual distance = ? m

3 Scale: 1 cm to 10 miles



Distance on map = 14 cm
Actual distance = ? m

4 Scale: 1 cm to 20 miles



Distance on map = 11 cm
Actual distance = ? m

Silver Questions

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 = 46 m

2 Scale: 1 cm to 5 miles



Distance on map = ? cm
Actual distance = 155 m

3 Scale: 1 cm to 10 miles



Distance on map = ? cm
Actual distance = 100 m

4 Scale: 1 cm to 20 miles



Distance on map = ? cm
Actual distance = 240 m

Gold Questions

For each of the following, calculate the missing distances...

1 Scale: 1 cm to 2.5 miles



Distance on map = ? cm
Actual distance = 30 m

2 Scale: 1 cm to 5.5 miles



Distance on map = 10 cm
Actual distance = ? m

3 Scale: 1 cm to 6.5 miles



Distance on map = ? cm
Actual distance = 52 m

4 Scale: 1 cm to 3.5 miles



Distance on map = 60 cm
Actual distance = ? m

Bronze Answers

1. Act Dist = 16 miles
2. Act Dist = 45 miles
3. Act Dist = 140 miles
4. Act Dist = 220 miles

Silver Answers

1. Map Dist = 23 cm
2. Map Dist = 31 cm
3. Map Dist = 10 cm
4. Map Dist = 12 cm

Gold Answers

1. Map Dist = 12 cm
2. Act Dist = 55 m
3. Map Dist = 8 cm
4. Act Dist = 210 m