

Outcome 2 - Reading Maps

Bronze example

Examples...

The map shows the distance between Glasgow and Edinburgh.

Scale: 1 cm to 5 miles

The distance on the map is 10 cm.

What is the actual distance between the 2 cities?

Actual Distance = $10 \times 5 = 50$ miles

Silver example

Examples...

The map shows the distance between Ayr and Paisley.

Scale: 1 cm to 6 miles

The actual distance between these two towns is 42 miles.

What is the distance on the map?

Distance on Map = $42 \div 6 = 7$ cm

Gold example

Examples...

The map shows the distance between Kilmarnock and Dumfries.

Scale: 1 cm to 6.5 miles



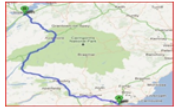
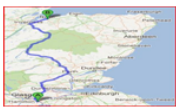
The actual distance between these two towns is 52 miles.

What is the distance on the map?

Distance on Map = $52 \div 6.5 = 8$ cm





Bronze Questions

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

<p>1 Scale: 1 cm to 2 miles</p>  <p>Distance on map = 5 cm Actual distance = ? m</p>	<p>2 Scale: 1 cm to 5 miles</p>  <p>Distance on map = 8 cm Actual distance = ? m</p>
<p>3 Scale: 1 cm to 10 miles</p>  <p>Distance on map = 13 cm Actual distance = ? m</p>	<p>4 Scale: 1 cm to 20 miles</p>  <p>Distance on map = 9 cm Actual distance = ? m</p>





Silver Questions

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

<p>1 Scale: 1 cm to 2 miles</p>  <p>Distance on map = ? cm Actual distance = 48 m</p>	<p>2 Scale: 1 cm to 5 miles</p>  <p>Distance on map = ? cm Actual distance = 160 m</p>
<p>3 Scale: 1 cm to 10 miles</p>  <p>Distance on map = ? cm Actual distance = 80 m</p>	<p>4 Scale: 1 cm to 20 miles</p>  <p>Distance on map = ? cm Actual distance = 180 m</p>

Gold Questions

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

<p>1 Scale: 1 cm to 2.5 miles</p>  <p>Distance on map = ? cm Actual distance = 30 m</p>	<p>2 Scale: 1 cm to 5.5 miles</p>  <p>Distance on map = 10 cm Actual distance = ? m</p>
<p>3 Scale: 1 cm to 6.5 miles</p>  <p>Distance on map = ? cm Actual distance = 52 m</p>	<p>4 Scale: 1 cm to 3.5 miles</p>  <p>Distance on map = 60 cm Actual distance = ? m</p>

Bronze Answers

1. Act Dist = 10 miles
2. Act Dist = 40 miles
3. Act Dist = 130 miles
4. Act Dist = 180 miles

Silver Answers

1. Map Dist = 24 cm
2. Map Dist = 32 cm
3. Map Dist = 8 cm
4. Map Dist = 9 cm

Gold Answers

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