

Outcome 1 - Scale Drawings

Bronze example

Examples...

The diagram shows a scale drawing for a bedroom.

Scale: 1 cm to 2 m

The drawing has a length of 5 cm.

What is the actual length of the bedroom?

Actual Length = $5 \times 2 = 10$ m



Silver example

Examples...

The diagram shows a scale drawing for a bedroom.

Scale: 1 cm to 3 m

The actual length of the bedroom is 15 m.

What is the length of the scale drawing?

Actual Length = $15 \div 3 = 5$ cm



Gold example

Examples...

The diagram shows a scale drawing for a bedroom.

Scale: 1 cm to 2.5 m

The drawing has a length of 3 cm.

What is the actual length of the bedroom?

Actual Length = $3 \times 2.5 = 7.5$ m



Bronze Questions

For each of the following scale drawings, calculate the actual lengths of the rooms...

1 Scale: 1 cm to 1 m
Length of drawing = 4 cm
Actual Length = ? m

2 Scale: 1 cm to 2 m
Length of drawing = 2 cm
Actual Length = ? m

3 Scale: 1 cm to 5 m
Length of drawing = 4 cm
Actual Length = ? m

4 Scale: 1 cm to 9 m
Length of drawing = 6 cm
Actual Length = ? m






Silver Questions

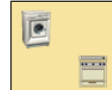
For each of the following, calculate the lengths of the scale drawings...

1 Scale: 1 cm to 2 m
Length of drawing = ? cm
Actual Length = 8 m

2 Scale: 1 cm to 3 m
Length of drawing = ? cm
Actual Length = 21 m

3 Scale: 1 cm to 5 m
Length of drawing = ? cm
Actual Length = 30 m

4 Scale: 1 cm to 20 m
Length of drawing = ? cm
Actual Length = 100 m






Gold Questions

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

1 Scale: 1 cm to 3.5 m
Length of drawing = 8 cm
Actual Length = ? m

2 Scale: 1 cm to 6 m
Length of drawing = ? cm
Actual Length = 39 m

3 Scale: 1 cm to 8 m
Length of drawing = ? cm
Actual Length = 44 m

4 Scale: 1 cm to 20.5 m
Length of drawing = 8 cm
Actual Length = ? m






Bronze Answers

1. Actual Length = 4 m
2. Actual Length = 4 m
3. Actual Length = 20 m
4. Actual Length = 54 m

Silver Answers

1. Drawing Length = 4 cm
2. Drawing Length = 7 cm
3. Drawing Length = 6 cm
4. Drawing Length = 5 cm

Gold Answers

1. Act Length = 28 m
2. Draw Length = 6.5 cm
3. Draw Length = 5.5 cm
4. Act Length = 164 m