

Scale Drawings (A)

A model uses the scale 1 : 200. The real length is 10 m. Find the model length in cm.

$$10 \text{ m} = 1000 \text{ cm}$$

$$1000 \div 200 = 5 \text{ cm}$$

A model uses the scale 1 : 50. The model length is 6 cm. Find the real length in m.

$$6 \times 50 = 300 \text{ cm}$$

$$300 \text{ cm} = 3 \text{ m}$$

A model object is 3 cm long. The real object is 9 m long. Find the scale in the form 1 : n .

$$9 \text{ m} = 900 \text{ cm}$$

$$900 \div 3 = 300$$

$$\text{Scale is } 1 : 300$$