

Scale drawing: Intermediate

Use the labels, not a ruler. Figures are illustrations, not full-size measurements.

SC07 4 cm.

8 m = 800 cm. Drawing length = $800 / 200 = 4$ cm.

SC08 1.4 m.

$3.5 \times 40 = 140$ cm. 140 cm = 1.4 m.

SC09 12 cm.

9 m = 900 cm. $900 / 75 = 12$ cm.

SC10 2 in.

$8 \times 1/4 = 2$ in. Do not convert the scale into 1:4.

SC11 10 ft.

$2.5 / (1/4) = 10$ ft.

SC12 6 in by 4 in.

$12 \times 1/2 = 6$ in. $8 \times 1/2 = 4$ in.

Length scales once. Area scales by the square of the length factor. Keep units through every step.