

Interpreting scale maps and distances

WHAT THIS LESSON TEACHES

A **map scale** tells you what a distance on the map means in real life. Multiply the map distance by the scale to get the real one.

→ Scale 1 : 1000 → 1 cm on the map = 1000 cm = **10 m** real.

MODEL THIS ON THE BOARD

ON A 1 : 1000 MAP, TWO POINTS ARE 7 CM APART. FIND THE REAL DISTANCE.

- ① 1 cm on the map = 1000 cm real.
- ② 7 cm → $7 \times 1000 = 7000 \text{ cm} = \mathbf{70 \text{ m}}$.

ANSWER KEY

Warm-up: a) 1800 cm b) 1500 cm c) 7000 ml d) 70 mm

Q1: 84 m

Q3: 25 m

Q2: 189 m²

Q4: 506 cm²

EXTENSION SHEET · STRETCH ANSWERS

S1: 0.05969 km

S4: 0.981 kg

S2: 0.07628 km

S5: 7.17 m

S3: 3.29 km