

SPARK Hybrid Education Center

Mathematics | Week 4: Scale Drawings | Lower Level

Name: _____ Date: _____

Directions: Solve each problem. Show your work in the space provided. Circle your final answer.

1. A scale drawing has scale $1 \text{ cm} = 5 \text{ m}$. A room is 4 cm wide. Actual width?
2. A map scale is $2 \text{ in} = 30 \text{ miles}$. Two cities are 5 in apart. Real distance?
3. A building is 60 m tall. At scale $1 \text{ cm} = 12 \text{ m}$, how tall in drawing?
4. Scale: $\frac{1}{4} \text{ inch} = 1 \text{ foot}$. A wall is 12 feet. Drawing length?
5. A garden is 15 m x 8 m. At scale $1 \text{ cm} = 5 \text{ m}$, drawing dimensions?
6. A swimming pool is 3 cm long on a scale drawing at $1 \text{ cm} = 8 \text{ m}$. Actual length?
7. A room is 24 ft x 18 ft. If $1 \text{ inch} = 6 \text{ ft}$, draw dimensions in inches.
8. Two schools are 7.5 cm apart on a map (scale: $1 \text{ cm} = 4 \text{ km}$). Real distance?

--- Answer Key (Cut before distributing) ---

1. 20 m
2. 75 miles
3. 5 cm
4. 3 inches
5. 3 cm x 1.6 cm
6. 24 m
7. 4 in x 3 in
8. 30 km

