GRADE 7 ACCELERATED · UNIT 5 · LESSON 4

Real-World Scale Drawings

Independent Set 5.04

Name_____
Date_____
Period_____

Six questions, on your own, in silence. Show the step that does the work.

1. A plan is drawn at $\frac{1}{2}\text{ in} : 1\text{ ft}$. A wall is 6 in long on it. Find the real length.

2. A plan is drawn at $1\text{ in} : 5\text{ ft}$. A room is 3.2 in long on it. Find the real length.

3. A plan is drawn at $1\text{ in} : 5\text{ ft}$. A real wall is 22 ft long. Find its length on the plan.

4. A plan is drawn at $\frac{1}{4}\text{ in} : 1\text{ ft}$. A room is 2 in by 3.5 in on it. Find the real dimensions and area.

5. A model boat is built at $1 : 40$ and is 15 cm long. Find the real boat's length in meters.

6. On a drawing a wall is 3 in long; the real wall is 16.5 ft. Another wall is 5 in long on the drawing. How long is it really?