GRADE 7 ACCELERATED · UNIT 5 · LESSON 1

Scale Drawings

Independent Set 5.01

Name_____
Date_____
Period_____

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

1. A 5 cm side becomes 15 cm in the copy. Find the scale factor.

2. A 15 cm side becomes 6 cm in the copy. Find the scale factor.

3. A 3 cm by 5 cm rectangle is copied at 7.5 cm by 12.5 cm. Find the scale factor.

4. The scale factor is 1.5 and a side of the original is 8 cm. How long is that side in the copy?

5. A map's scale is $1\text{ in} : 25\text{ mi}$. Two cities are 2.8 in apart on the map. How far apart are they?

6. On the same map, a road is 150 mi long. How long is it on the map?