Lesson 6 Practice Problems

1. Here is a scale drawing of a swimming pool where 1 cm represents 1 m.


   a. How long and how wide is the actual swimming pool?

   b. Will a scale drawing where 1 cm represents 2 m be larger or smaller than this drawing?

   c. Make a scale drawing of the swimming pool where 1 cm represents 2 m.

2. A map of a park has a scale of 1 inch to 1,000 feet. Another map of the same park has a scale of 1 inch to 500 feet. Which map is larger? Explain or show your reasoning.

3. On a map with a scale of 1 inch to 12 feet, the area of a restaurant is 60 in^2. Han says that the actual area of the restaurant is 720 ft^2. Do you agree or disagree? Explain your reasoning.

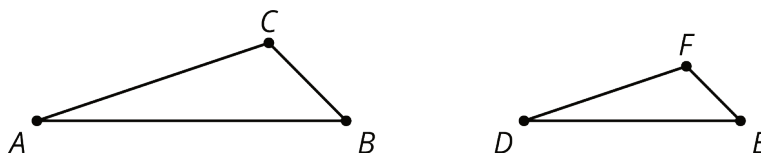4. If Quadrilateral Q is a scaled copy of Quadrilateral P created with a scale factor of 3, what is the perimeter of Q?
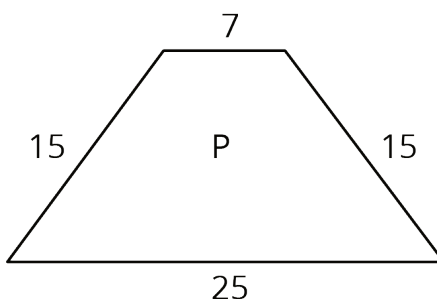
(From Unit 2, Lesson 2.)

5. Triangle DEF is a scaled copy of triangle ABC. For each of the following parts of triangle ABC, identify the corresponding part of triangle DEF.

   ○ angle ABC

   ○ angle BCA

   ○ segment AC

   ○ segment BA

(From Unit 2, Lesson 2.)

Accelerated 7 Unit 2
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