### Lesson 10 Practice Problems

1. Here is a scale drawing of a swimming pool where 1 cm represents 1 m.
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	1. How long and how wide is the actual swimming pool?
	2. Will a scale drawing where 1 cm represents 2 m be larger or smaller than this drawing?
	3. Make a scale drawing of the swimming pool where 1 cm represents 2 m.
1. 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.
2. On a map with a scale of 1 inch to 12 feet, the area of a restaurant is 60 in2. Han says that the actual area of the restaurant is 720 ft2. Do you agree or disagree? Explain your reasoning.
3. If Quadrilateral Q is a scaled copy of Quadrilateral P created with a scale factor of 3, what is the perimeter of Q?
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* (From Unit 1, Lesson 3.)
1. 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 1, Lesson 2.)



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