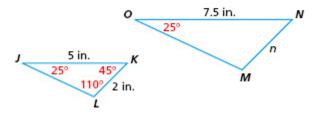
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## 7.2.1 Similar Figures

Applications of Proportion

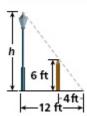
 The two triangles are similar. Find the missing length n and the measure of ∠M.



2. LeJuan swims in a pool that is similar to an Olympic-sized pool. LeJuan's pool is 30 m long by 8 m wide. The length of an Olympic-sized pool is 50 m. To the nearest meter, what is the width of an Olympic-sized pool?

## 7.2.2 Indirect Measurement

3. Use the similar triangles to find the height of the lamppost.



Proportional Relationships

**Applications of Proportion** 

Thinkwell's **Grade 6 Math** 

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4. The Eiffel Tower casts a shadow that is 328 feet long. A 6-foot-tall person standing by the tower casts a 2-foot-long shadow. How tall is the Eiffel Tower?

## 7.2.3 Scale Drawings and Maps

 On the map of California, Los Angeles is 1.25 inches from Malibu. Find the actual distance from Los Angeles to Malibu.



Scale: 1 in:20 mi

- 6. Riverside, California, is 50 miles from Los Angeles. On the map, how far should Riverside be from Los Angeles?
- Life Science A paramecium is a one-celled organism. The scale drawing at right is larger than an actual paramecium. Find the actual length of the paramecium.

