

Similar Figure

NAME _____ Period ____ Date _____

Answer each question and round your answer to the nearest whole number.

<p>1) A 6ft tall tent standing next to a cardboard box casts a 9ft shadow. If the cardboard box casts a shadow that is 6ft long then how tall is it?</p>	<p>2) A telephone booth that is 8ft tall casts a shadow that is 4ft long. Find the height of a lawn ornament that casts a 2ft shadow.</p>
<p>3) A map has a scale of 3cm to 18km. If Riverside and Smithville are 54km apart then they are how far apart on the map?</p>	<p>4) Find the distance between Riverside and Milton if they are 12cm apart on a map with a scale of 4cm to 21km.</p>
<p>5) A model house is 12cm wide. If it was built with a scale of 3cm to 4m then how wide is the real house?</p>	<p>6) Oak Grove and Salem are 87mi from each other. How far apart would the cities be on a map that has a scale of 5in to 29mi?</p>
<p>7) A map has a scale of 2in to 6mi. If Clayton and Centerville are 10 in apart on the map, then how far apart are the real cities?</p>	<p>8) A statue that is 12ft tall casts a shadow that is 15ft long. Find the length of the shadow that a 8ft cardboard box casts.</p>
<p>9) A model house has a scale of 1in to 2ft. If the real house is 26ft wide, then how wide is the model house?</p>	<p>10) A 6.5ft tall car standing next to an adult elephant casts a 33.2 ft shadow. If the adult elephant casts a shadow that is 51.5ft long, then how tall is it?</p>
<p>11) If a 42.9 ft tall flagpole casts a 253.1 ft long shadow, then how long is the shadow that a 6.2 ft tall woman casts?</p>	<p>12) Georgetown and Franklin are 9.7 in apart on a map that has a scale of 1.1 in to 15 mi. How far apart are the real cities?</p>