

Name _____

Scale factors

Read the question and answer the following question.

<p>1) A model of a car is built at a scale of 1:24. If the real car is 480 centimeters long, what is the length of the model car?</p> <p>The length of the model car is 20 centimeters.</p>	<p>2) A map has a scale of 1:5000. If the distance between two cities on the map is 10 centimeters, what is the actual distance between the cities?</p> <p>The actual distance between the cities is 500 meters.</p>
<p>3) A miniature dollhouse is built at a scale of 1:12. If a real table is 120 cm long, how long is the table in the dollhouse?</p> <p>The table in the dollhouse is 10 cm long.</p>	<p>4) A blueprint for a house has a scale of 1:200. If a room in the blueprint is drawn as 4 cm wide, what is the actual width of the room?</p> <p>The actual width of the room is 8 meters.</p>
<p>5) A model rocket is built at a scale of 1:5. If the real rocket is 3 meters tall, how tall is the model rocket?</p> <p>The model rocket is 60 cm tall.</p>	<p>6) A city model is built at a scale of 1:1000. If the real city has a population of 600,000, what is the population represented in the model?</p> <p>The model represents 600 people.</p>
<p>7) A garden plan is drawn at a scale of 1:50. If a flower bed is represented as 6 cm wide on the plan, what is the actual width of the flower bed?</p> <p>The actual width of the flower bed is 3 meters.</p>	<p>8) A blueprint for a skyscraper is drawn at a scale of 1:500. If a section of the skyscraper is depicted as 12 centimeters tall on the blueprint, what is the actual height of the section?</p> <p>The actual height of the section is 60 meters.</p>