

Name \_\_\_\_\_

# Scale factors

Read the question and answer the following question.

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?	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?
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?	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?
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?	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?
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?	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?