

Name: _____

Scale Word Problems

1. Kieran got a model sports car for his birthday. It is 21 centimeters long. If the model is at 1:24 scale, how long is the full-sized car (in cm)?

answer: _____

2. Amiyah knows the distance between Phoenix, AZ, and San Diego, CA, is about 300 miles. If her map shows them 2 inches apart, what is its scale?

answer: _____

3. The yearbook scans a copy of Nelson's painting. The original is 18 inches wide.



answer: _____

5. A comic book store sells a scale figure of a 6.5-feet-tall character. If the figure is 6 inches tall, what is its scale *in inches only*? (Hint: 12 inches per foot.)

answer: _____

6. Valerie is drawing a blueprint of her apartment at a scale of 2 centimeters : 1 meter. If her bedroom is 3 meters by 3.5 meters, what should its blueprint dimensions be?

answer: _____

ANSWER KEY

Scale Word Problems

1. Kieran got a model sports car for his birthday. It is 21 centimeters long. If the model is at 1:24 scale, how long is the full-sized car (in cm)?

$$21 \times 24 = 504$$

answer: 504 cm

Preview

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If her bedroom is 3 meters by 3.5 meters, what should its blueprint dimensions be?

$$3 \times 2 = 6$$

$$3.5 \times 2 = 7$$

answer: 6 cm by 7 cm