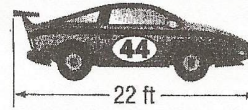


# Practice: Word Problems

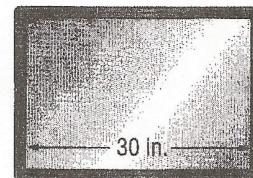
## Similar Figures

**MODEL CARS** For Exercises 1 and 2, use the following information. A scale model racing car is 11 inches long, 3 inches wide, and 2 inches tall. The actual racing car is shown at the right.



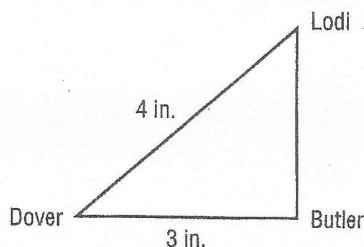
<p>1. How wide is the actual racing car?</p>	<p>2. How tall is the actual racing car?</p>
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**PHOTOGRAPHY** For Exercises 3–4, use the given information. James wants to enlarge a photograph that is 6 inches wide and 4 inches tall so that it fits into the frame shown.



<p>3. How tall must the frame be for the picture to fit?</p>	<p>4. Suppose James cuts 1 inch from the width of the photo, so that it is 5 inches wide, before he makes the enlargement. How tall will the frame have to be for the picture to fit?</p>
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5. **MAPS** A map below shows the towns of Dover, Butler, and Lodi. If the actual distance between Dover and Butler is 24 miles, how far is it from Dover to Lodi?



6. **BLUEPRINTS** A blueprint for a house is shown below. If the front of the house is actually 30 feet wide, how tall is the house?

