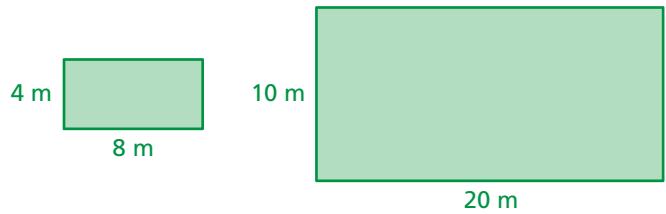
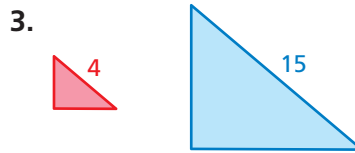
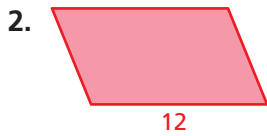


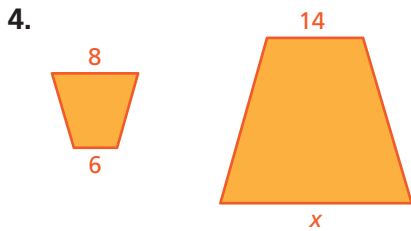
1. Tell whether the two rectangles are similar. Explain your reasoning. (Section 5.1)



The two figures are similar. Find the ratios (red to blue) of the perimeters and of the areas. (Section 5.2)



The polygons are similar. Find the value of x . (Section 5.3)



Find the missing dimension. Use the scale factor 1 : 20. (Section 5.4)

Item	Model	Actual
6. Basketball Player	Height: <input type="text"/> in.	Height: 90 in.
7. Dinosaur	Length: 3.75 ft	Length: <input type="text"/> ft

8. **POSTERS** The ratio of the corresponding side lengths of two similar posters is 7 in. : 20 in. What is the ratio of the perimeters? (Section 5.2)
9. **DOLPHIN** A dolphin in an aquarium is 12 feet long. A scale model of the dolphin is $3\frac{1}{2}$ inches long. What is the scale factor of the model? (Section 5.4)
10. **TENNIS COURT** The tennis courts for singles and doubles matches are different sizes. Are the courts similar? Explain. (Section 5.1)

