

Similar shapes, scaling up, and scaling down

1. The triangles below are similar. Fill in the blanks.

The large triangle is _____ times as tall as the small triangle.

The large triangle is _____ times as wide as the small triangle.

The small triangle is _____ times as wide as it is tall.

The large triangle is _____ times as wide as it is tall.



2. Draw a rectangle that is similar to the shaded rectangle below and is 6 cm tall.

How wide should you draw your rectangle? Answer: _____

Show how you figured out how wide to make your rectangle.



3. A car is 2 times as long as it is wide. A toy company wants to make a scale model of the car. If the model car will be 8 inches wide, how long should it be?

Answer: _____

4. Cassandra has designed her own flag on a rectangle that is 3 inches tall and 6 inches wide. Now Cassandra wants to draw a larger version of her flag on a similar rectangle that is 12 inches tall. How wide should Cassandra make her larger flag? Show your work.

Answer: _____

5. Santiago has designed his own flag on a rectangle that is 3 inches tall and 5 inches wide. Now Santiago wants to draw a larger version of his flag on a similar rectangle that is 6 inches tall. How wide should Santiago make his larger flag? Show your work.

Answer: _____