





Name:

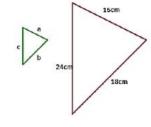
Grade

Investigate Reductions and Enlargements

Learning Objective: Understand the image that is the result of enlarging or reducing a preimage is not congruent to the preimage.

The green triangle is enlarged 3 times into the red triangle.

Find the lengths a, b, and c.



 \bigcirc a = 6 cm b = 5 cm and c = 8 cm

 \bigcirc a = 5 cm b = 6 cm and c = 8 cm

 \bigcirc a = 8 cm b = 6 cm and c = 5 cm

a = 5 cm b = 8 cm and c = 6 cm

An equilateral triangle ABC of side 8 cm is reduced by half into triangle A'B'C'. Select the sentence that best describes the triangle A'B'C'.

A'B' = 4 cm and each

angle = 30 $^{\circ}$

A'B' = 16 cm and each

angle = 60°

A'B' = 4 cm and each

angle = 120 °

A'B' = 4 cm and each

angle = 60°

Ray uses a magnifying glass to read small printed text.

This is _____.

a reflection

a translation

a rotation

o an enlargement

Math Grade 8 Module 2: Transformations and Similarity