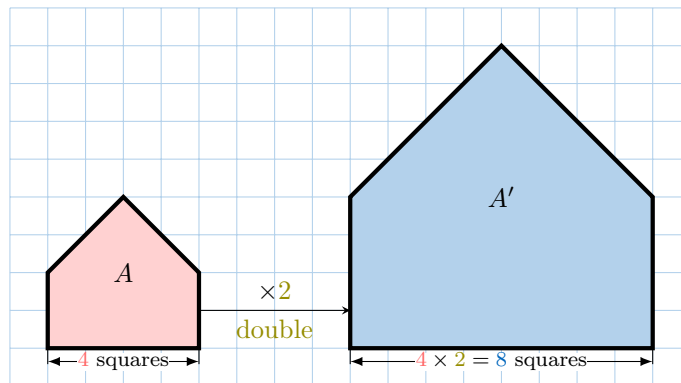


ENLARGEMENT AND REDUCTION

A DEFINITIONS

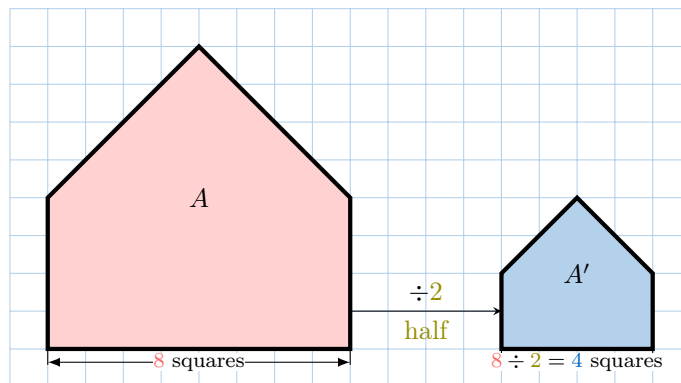
Definition Enlargement and Reduction

- An **enlargement** makes a shape larger by multiplying all side lengths by a number called the scale factor.



In this example, shape A is enlarged to A' by multiplying side lengths by 2 (scale factor = 2). The bottom side grows from 4 to 8 squares.

- A **reduction** makes a shape smaller by dividing all side lengths by a number called the scale factor.



In this example, shape A is reduced to A' by dividing side lengths by 2 (scale factor = 2). The bottom side shrinks from 8 to 4 squares.