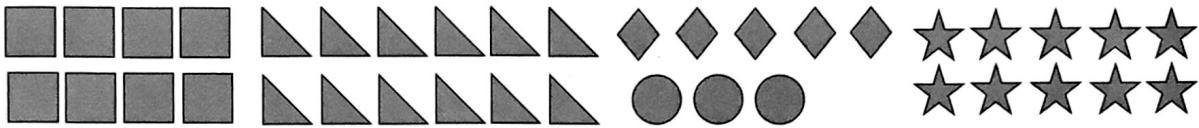


Skills Practice 11: Writing and Reducing Ratios

A **ratio** is a comparison of quantities that have the same units.



The ratio of squares to triangles is 8:12.

A ratio is in **lowest terms** when you cannot divide both numbers by any number other than 1.

Read this as
"eight to twelve."

The ratio 8 : 12 is not written in lowest terms.











Both 8 and 12 can be divided evenly by 2 and by 4.

It is better to divide by the greater number.

$$\begin{array}{c}
 \div 4 \\
 \curvearrowright \\
 8:12 = 2:3 \\
 \curvearrowleft \\
 \div 4
 \end{array}$$

So, the ratio 8:12 is written as 2:3 in lowest terms.

1. Refer to the shapes at the top of the page. Write each of the following ratios in lowest terms.

Compare	Ratio	Ratio in Lowest Terms
a)  to 		
b)  to 		
c)  to 		
d)  to 		
e)  to all shapes		
f)  to all shapes		