

Name _____

Date _____

RATIOS

A **ratio** is a comparison between two or more numbers.

Consider this example. There are **six squares** and **eight stars**, so the ratio of squares to stars is **6 to 8** or **6:8**. You can also say that the ratio of **stars to squares** is **8 to 6** or **8:6**.



Simplifying a ratio helps you find an **equivalent ratio**. To simplify a ratio, divide both numbers in a ratio by their greatest common factor, or GCF.

Since the GCF of 6 and 8 is 2, divide both numbers by 2. So, **6:8 = 3:4** and **8:6 = 4:3**.

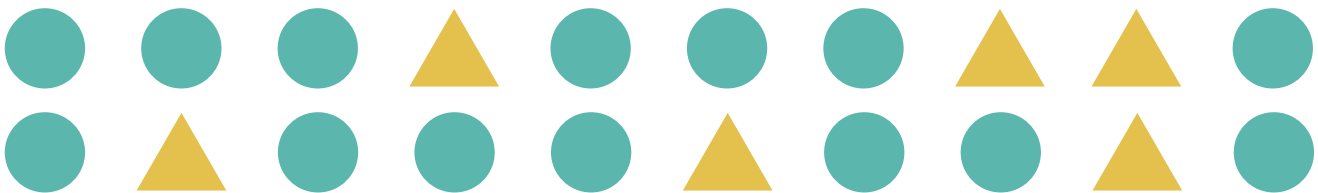
Answer the questions below.



What is the ratio of squares to circles? ____ : ____ Simplify the ratio. ____ : ____



What is the ratio of circles to stars? ____ : ____ Simplify the ratio. ____ : ____



What is the ratio of circles to triangles? ____ : ____ Simplify the ratio. ____ : ____

What is the ratio of triangles to circles? ____ : ____ Simplify the ratio. ____ : ____



What is the ratio of triangles to stars? ____ : ____

CHALLENGE! Can you simplify the ratio above? Why or why not?
