

Answer Key

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**.

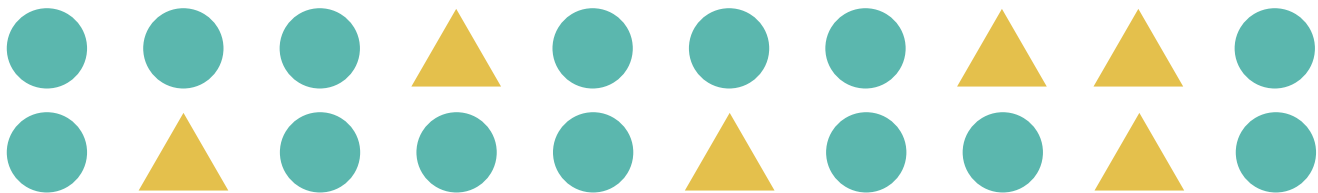
Answer the questions below.



What is the ratio of squares to circles? 6 : 3 Simplify the ratio. 2 : 1



What is the ratio of circles to stars? 2 : 6 Simplify the ratio. 1 : 3



What is the ratio of circles to triangles? 14 : 6 Simplify the ratio. 7 : 3

What is the ratio of triangles to circles? 6 : 14 Simplify the ratio. 3 : 7



What is the ratio of triangles to stars? 3 : 5

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

No. The ratio above is already simplified because the GCF of 3 and 5 is 1.