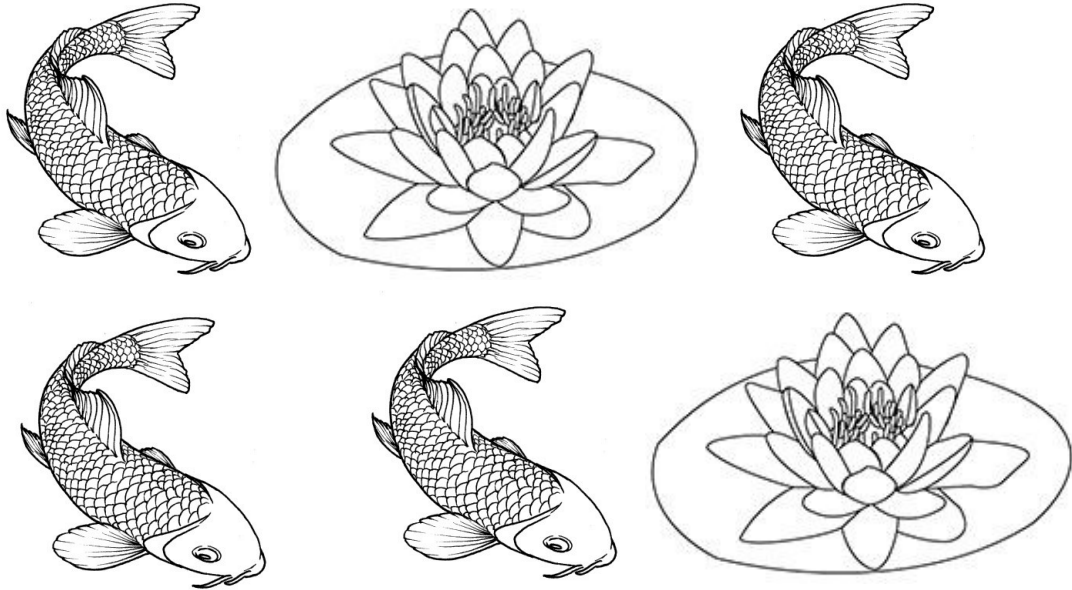


## ART + MATH

A **ratio** is the relationship that exists between the size, number, or amount of 2 things and is often represented by 2 numbers.



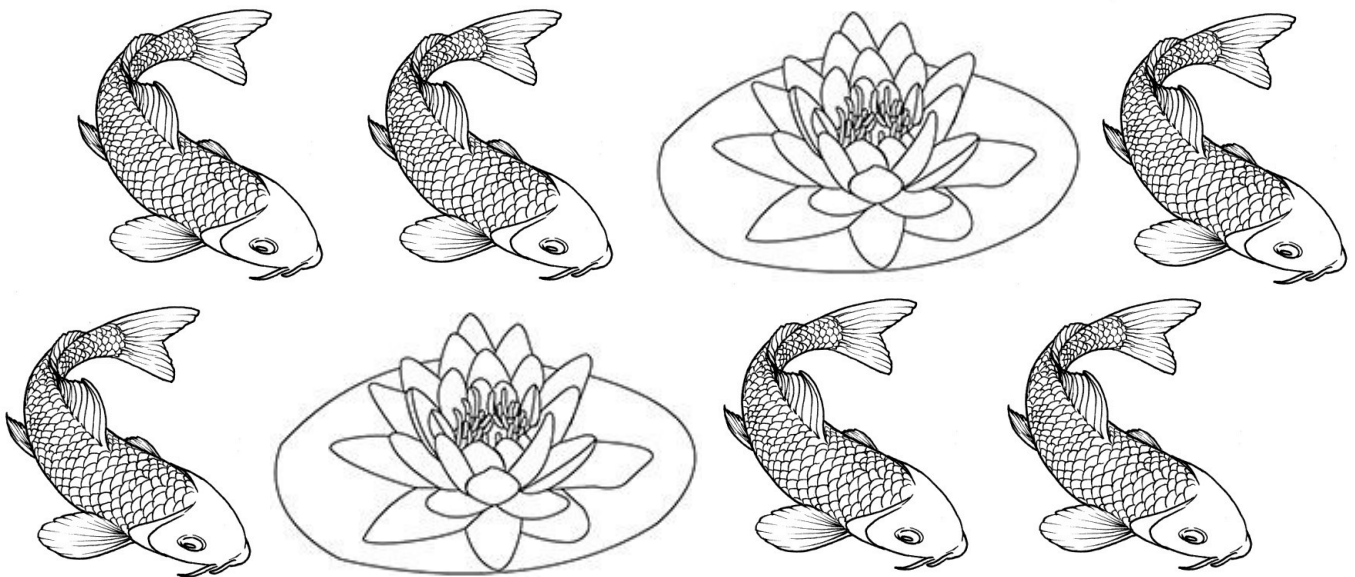
In the example above, there are 2 lily pads and 4 koi.  
The ratio of lily pads to koi is 2:4. The ratio of koi to lily pads is 4:2.

To simplify the ratio, find the biggest common number that is divisible by both numbers in the ratio.  
2 is the largest number in this equation. Therefore,  $2:4 = 1:2$  and  $4:2 = 2:1$ .

**Look at the example below and answer the following questions:**

What is the ratio of lily pads to koi? \_\_\_\_\_ What is this ratio simplified? \_\_\_\_\_

What is the ratio of koi to lily pads? \_\_\_\_\_ What is this ratio simplified? \_\_\_\_\_



**Biomes contain several ecosystems. On a separate piece of recycled paper, create artwork of a freshwater ecosystem. Draw, paint or collage a background of a pond. Color, cut out and glue the koi and lily pads onto your background. What other plants and animals live there? Add them to your picture.**