

RATIOS - WAYS OF WRITING

NAME: _____

A RATIO IS A COMPARISON OF TWO QUANTITIES OR NUMBERS. IF WE HAVE 3 APPLES AND 4 ORANGES, WE CAN WRITE A RATIO TO COMPARE THEM. BELOW ARE DIFFERENT WAYS TO WRITE A RATIO:

$$3:4 \quad \text{OR} \quad 3 \text{ to } 4 \quad \text{OR} \quad \frac{3}{4}$$

ALL OF THESE RATIOS ARE TELLING US THAT WE HAVE 3 APPLES TO EVERY 4 ORANGES. WHAT HAPPENS IF WE USE THE SAME RATIO BUT NOW HAVE 6 APPLES? CAN YOU FIGURE OUT HOW MANY ORANGES WE HAVE?

Now your turn. Write each ratio three different ways.

Helpful example



HELP: THERE ARE 5 TRIANGLES AND 3 SQUARES, WHICH MAKES A TOTAL OF 8 SHAPES.

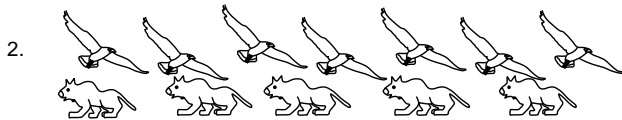
What is the ratio of triangles to the total number of shapes?

$$5:8 \quad \text{OR} \quad 5 \text{ to } 8 \quad \text{OR} \quad \frac{5}{8}$$



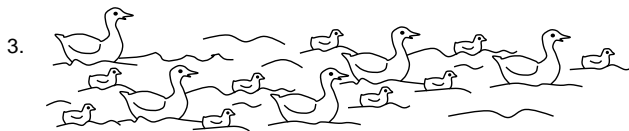
What is the ratio of circles to triangles?

$$4:3 \quad \text{OR} \quad 4 \text{ to } 3 \quad \text{OR} \quad \frac{4}{3}$$



What is the ratio of birds to cats?

$$7:5 \quad \text{OR} \quad 7 \text{ to } 5 \quad \text{OR} \quad \frac{7}{5}$$



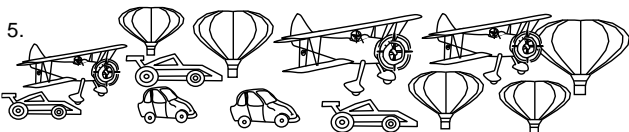
What is the ratio of mother ducks to baby ducks?

$$5:9 \quad \text{OR} \quad 5 \text{ to } 9 \quad \text{OR} \quad \frac{5}{9}$$



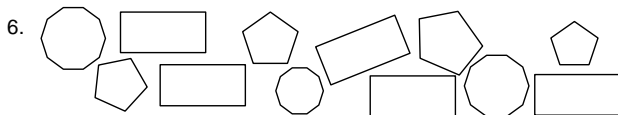
What is the ratio of stars to moons?

$$11:7 \quad \text{OR} \quad 11 \text{ to } 7 \quad \text{OR} \quad \frac{11}{7}$$



What is the ratio of planes to the total group?

$$3:13 \quad \text{OR} \quad 3 \text{ to } 13 \quad \text{OR} \quad \frac{3}{13}$$



What is the ratio of total polygons to rectangles?

$$12:5 \quad \text{OR} \quad 12 \text{ to } 5 \quad \text{OR} \quad \frac{12}{5}$$



What is the ratio of books to pencils?

$$9:8 \quad \text{OR} \quad 9 \text{ to } 8 \quad \text{OR} \quad \frac{9}{8}$$

8. A basketball player made 7 out of the 18 free throws. What is the ratio of the number of free throws he missed to the number of free throws he attempted?

$$11:18 \quad \text{OR} \quad 11 \text{ to } 18 \quad \text{OR} \quad \frac{11}{18}$$

9. There are 10 boys out of a total of 19 students in Mr. Apple's math class. What is the ratio of girls to boys in the class?

$$9:10 \quad \text{OR} \quad 9 \text{ to } 10 \quad \text{OR} \quad \frac{9}{10}$$

