Understand Ratios

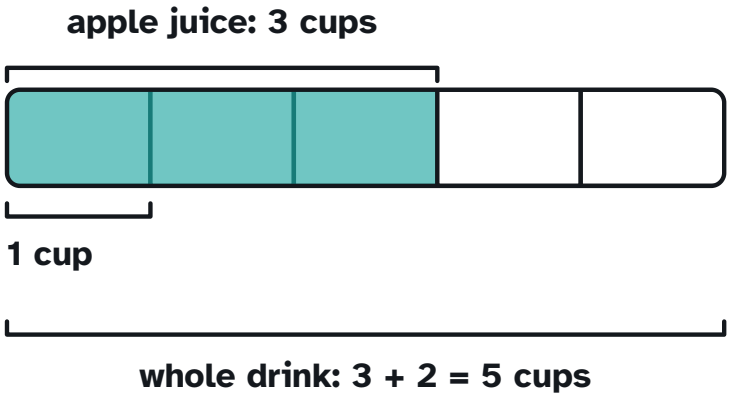
Write a ratio that compares two amounts, and keep them in the right order.

Name _____ **Date** _____

Tonight's spark

The rec center's punch sign says apple juice to sparkling water is 3:2. A helper reads it backward and pours 3 cups of water for 2 of juice. Does the punch taste the same?

Make a guess first: will the new punch have more apple juice, or less?



Our class model: the tape diagram of one batch

Try it

Work it out on paper. Write one answer on each line.

1. **A bowl has 4 red grapes and 3 green grapes. What is the ratio of red grapes to green grapes?**

   A. 3:4 **B.** 4:3 **C.** 4:7 **D.** 7:3

   My answer _____

2. **Which is another way to write the ratio 5 to 2?**

   A. 5:2 **B.** 2:5 **C.** 52 **D.** 7

   My answer _____

3 **A team has 6 girls and 4 boys. What is the ratio of girls to ALL the players?**

A. 6:4 **B.** 4:10 **C.** 10:6 **D.** 6:10

My answer _____

4 **The ratio of cats to dogs is 2:5. Which sentence is correct?**

A. For every 5 cats there are 2 dogs **B.** There are 7 cats in all

C. For every 2 cats there are 5 dogs **D.** The ratio of dogs to cats is 2:5

My answer _____

5 **A tape diagram shows juice with 3 equal parts and water with 2 equal parts. What is the ratio of juice to the whole drink?**

A. 3:2 **B.** 2:5 **C.** 3:5 **D.** 5:3

My answer _____

Talk about it

Which kind did you name first, and how does the order change what the ratio says?

Home mission

Mix a tiny punch at the table: 3 spoons of juice for every 2 spoons of water. Ask your student: what is the ratio of juice to water? Juice to the whole drink? Now switch the order. What would 2:3 taste like?

If we get stuck, ask

- Which amount is named first? Let's write that number first.
- Are we comparing one group to another group, or one group to the total?
- Read it out loud. What two things are being compared?

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/3-1/homework.html

How did it feel? (optional)

Tricky Getting there Got it