Determine Equivalent Ratios Using Tables

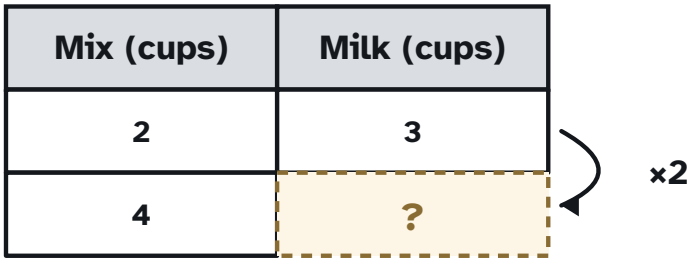
Use a ratio table to make equivalent ratios.

Name _____ **Date** _____

Tonight's spark

A pancake recipe uses 2 cups of mix and 3 cups of milk. For 2 batches, a helper adds 2 cups to each: 4 cups of mix and 5 of milk. Will it taste the same?

Make a guess first: is 5 cups of milk too little, too much, or just right for 4 cups of mix?



Our class model: the ratio table

Try it

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

1. **Row 1 of a ratio table is 2:3. Row 2 is made by multiplying both numbers by 2. What is row 2?**

   A. 4:5 **B.** 4:6 **C.** 2:6 **D.** 5:6

   My answer _____

2. **A ratio table has milk and mix. Mix is 1, 2, 3. Milk is 4, 8, and then a missing number. What is the missing number?**

   A. 7 **B.** 16 **C.** 12 **D.** 11

   My answer _____

3. **A ratio table has the rows 3:5 and 6:10. Which ratio could be the next row?**

   A. 9:13 **B.** 12:15 **C.** 3:10 **D.** 9:15

   My answer _____

4 **What is the scale factor from the row 2:3 to the row 10:15?**

A. 5 **B.** 8 **C.** 13

My answer _____

5 **A row of a ratio table is 12:8. Divide both numbers by 4. What is the new row?**

A. 8:4 **B.** 3:2 **C.** 4:3 **D.** 3:4

My answer _____

6 **A recipe uses 3 cups of mix for 5 cups of water. How much water goes with 9 cups of mix?**

A. 11 **B.** 15 **C.** 45 **D.** 8

My answer _____

Talk about it

How do the numbers in each new row compare with the first row?

Home mission

Take a drink mix or recipe card. Say both amounts doubled, out loud. Then ask, "If we add 1 cup to each instead, is it the same?"

If we get stuck, ask

- What is our scale factor — the number we multiply both parts by?
- Did we do the SAME thing to both numbers?
- Let's check: does our new row mean the same as the first row?

Do it on a screen

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

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

How did it feel? (optional)

Tricky Getting there Got it