Compare Ratio Relationships

Compare two ratios by making one amount match or by finding unit rates.

Name _____ **Date** _____

Tonight's spark

Chef Reyes makes cocoa with 3 tablespoons of cocoa for 5 ounces of milk. Chef Tran uses 4 tablespoons for 7 ounces of milk. Whose cocoa is more chocolatey?

Make a guess first: does Chef Tran win because 4 is more than 3?

Cocoa (tbsp)	Milk (oz)	
3	5	
21	35	×7
4	7	
20	35	×5

Our class model: make the milk match

Try it

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

1. **Which ratio is equivalent to 2:3 and has 12 in the second part?**

   A. 8:12 **B.** 6:12 **C.** 2:12 **D.** 12:18

   My answer _____

2. **Recipe A uses 2 tablespoons of cocoa for 4 ounces of milk. Recipe B uses 3 tablespoons for 4 ounces. Which is more chocolatey?**

   A. Recipe A **B.** Recipe B **C.** They are the same

   My answer _____

3 **12 cookies are shared equally among 4 children. How many cookies does 1 child get?**

A. 8 **B.** 16 **C.** 3 **D.** 48

My answer _____

4 **Store X: 3 pens for $6. Store Y: 4 pens for $12. Which store charges less per pen?**

A. Store Y, $3 per pen **B.** Store Y, because $12 is more **C.** Store X, $6 per pen
D. Store X, $2 per pen

My answer _____

5 **To compare 3:5 and 4:7 by making the second parts equal, which number can both 5 and 7 scale to?**

A. 12 **B.** 35 **C.** 57 **D.** 2

My answer _____

Talk about it

Why do the nut amounts have to match before you compare the raisins?

Home mission

Say Chef Reyes's mix out loud: 3 spoons of cocoa for 5 of milk. Ask your student: how much cocoa goes with 10 spoons of milk? With 15? Then ask: why can't we compare Chef Tran's 4 for 7 yet?

If we get stuck, ask

- Are the other amounts the same yet? If not, let's make them equal first.
- Can we find the amount for just 1 by dividing?
- Now that they match, which number is bigger?

Do it on a screen
Scan or type the link. Same lesson, with hints.
eduwonderlab.com/lessons/3-5/homework.html

How did it feel? (optional)

Tricky Getting there Got it