

Lesson 3-5

Reinforce Understanding

Compare Ratio Relationships

I can compare ratios by finding unit rates or using equivalent ratios.

Worked model

Mix P is 2 cocoa to 5 milk. Mix Q is 3 cocoa to 7 milk. Which is more chocolatey?

1. Pick the quantity to match — cocoa. Find the LCM of 2 and 3 $\rightarrow$ 6.
2. Scale Mix P. $\times 3 \rightarrow$ 6 cocoa : 15 milk
3. Scale Mix Q. $\times 2 \rightarrow$ 6 cocoa : 14 milk
4. Same cocoa, so compare the milk. LESS milk = more chocolatey.

Answer: Mix Q is more chocolatey: for 6 cocoa it has only 14 milk.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Find the unit rate for each option to compare them.

Complete the table. Show how you found each value.

Option	Ratio	Unit Rate
Juice A	6 oz for 2 servings	3 oz per serving
Juice B	10 oz for 4 servings	
Juice C	9 oz for 3 servings	

Show your work

2. Chef A uses 2 cups of cheese for every 8 crackers. Chef B uses 3 cups of cheese for every 9 crackers. Who uses more cheese per cracker?

Circle the letter of the best answer. Show how you know.

- A. Chef A
- B. Chef B
- C. They use the same amount
- D. Cannot determine

Show your work

3. Which ratio is greater: 3:4 or 5:8?

Circle the letter of the best answer. Show how you know.

- A. 5:8
- B. 3:4
- C. They are equal
- D. Cannot determine

Show your work
