Learning Objective: Students will be able to compare and graph ratios.

Warm Up

1.
$$2\frac{3}{5} \div \left(\frac{9}{4} \div \frac{5}{8}\right)$$
 4. $\frac{4}{3} \div \frac{9}{10} \div \frac{7}{9}$ 7. $\frac{1}{6} \div \left(2\frac{6}{7} \div \frac{3}{2}\right)$

2.
$$\frac{1}{5} \div \left(1\frac{3}{8} \div \frac{11}{6}\right)$$
 5. $\frac{2}{9} \div \frac{2}{3} \div 2\frac{6}{7}$ 8. $\frac{15}{8} \div \left(\frac{18}{5} \div \frac{2}{5}\right)$

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Warm Up Answers

1.
$$2\frac{3}{5} \div \left(\frac{9}{4} \div \frac{5}{8}\right)$$

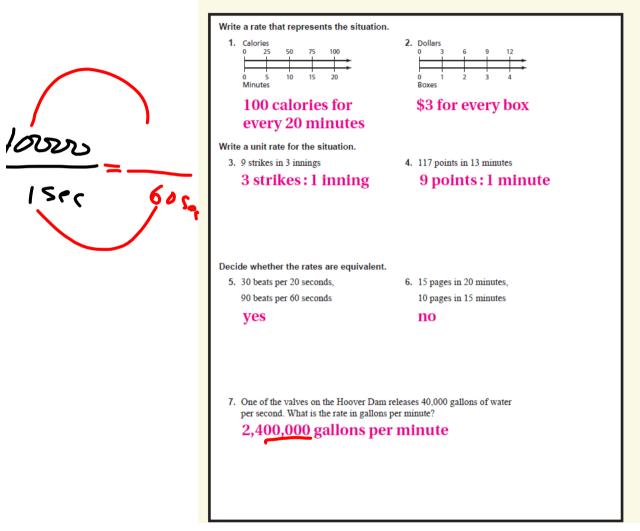
 $=\frac{13}{18}$
4. $\frac{4}{3} \div \frac{9}{10} \div \frac{7}{9}$
 $=\frac{40}{21} = 1\frac{19}{21}$
7. $\frac{1}{6} \div \left(2\frac{6}{7} \div \frac{3}{2}\right)$
 $=\frac{7}{80}$

2.
$$\frac{1}{5} \div \left(1\frac{3}{8} \div \frac{11}{6}\right)$$

= $\frac{4}{15}$
5. $\frac{2}{9} \div \frac{2}{3} \div 2\frac{6}{7}$
= $\frac{7}{60}$
8. $\frac{15}{8} \div \left(\frac{18}{5} \div \frac{2}{5}\right)$
= $\frac{5}{24}$

Learning Objective: Students will be able to compare and graph ratios. Homework Answers

5.3 Record and Practice Journal



Learning Objective: Students will be able to compare and graph ratios.

Lesson 5.4

January 11 & 12, 2016

Essential Question:

How can you compare two ratios?

Lesson 5.4

January 11 & 12, 2016

Lesson Objective:

Students will be able to:

compare and graph ratios.

Self-Evaluation Scale

Score	Description	
4	I can teach other students how to compare and graph ratios.	
3	I can compare and graph ratios.	
2	I recognize, but still need help to compare and graph ratios.	
1	I do not know how to compare and graph ratios.	

Learning Objective: Students will be able to compare and graph ratios.

Activity 1 & 2

Work with a partner on Activity I & 2 on page I09 & II0 of your (soft cover) Record and Practice Journal. Learning Objective: Students will be able to compare and graph ratios.

ACTIVITY: Comparing Ratio Tables

Work with a partner.

3

- You make purple frosting by adding a drop of red food coloring for every a drops of blue food coloring.
- Your teacher makes purple frosting by adding drops of red food coloring for every drops of blue food coloring.
- a. Copy and complete the ratio table for each frosting mixture.

Your Frosting			Your Teacher's Frosting	
Drops of 🚞	Drops of		Drops of	Drops of
1		1 2	3	
2		THEFT YAYA	6	
3			9	
4		State of the second	12	
5		16145	15	

- b. Whose frosting is bluer? Whose frosting is redder? Justify your answers.
- c. **STRUCTURE** Insert and complete a new column for each ratio table above that shows the total number of drops. How can you use this column to answer part (b)?

2

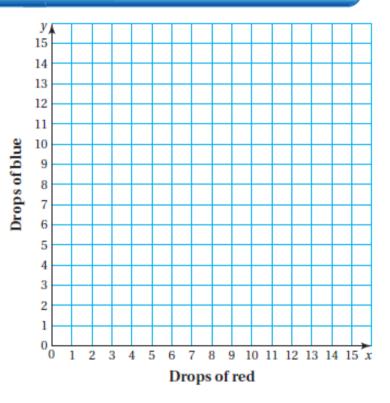
es.

Learning Objective: Students will be able to compare and graph ratios.

ACTIVITY: Graphing from a Ratio Table

Work with a partner.

- a. Explain how you can use the values from the ratio table for your frosting to create a graph in the coordinate plane.
- **b.** Use the values in the table to plot the points. Then connect the points and describe the
 - graph. What do you notice?
- c. What does the line represent?



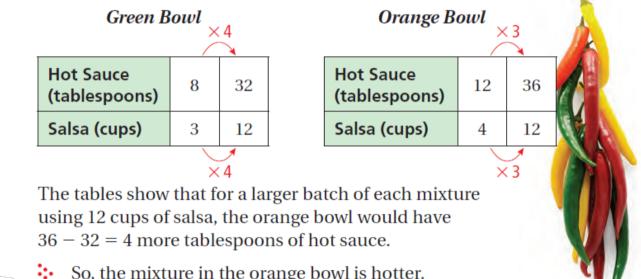
Learning Objective: Students will be able to compare and graph ratios.

One way to compare ratios is by using ratio tables.

Comparing Ratios

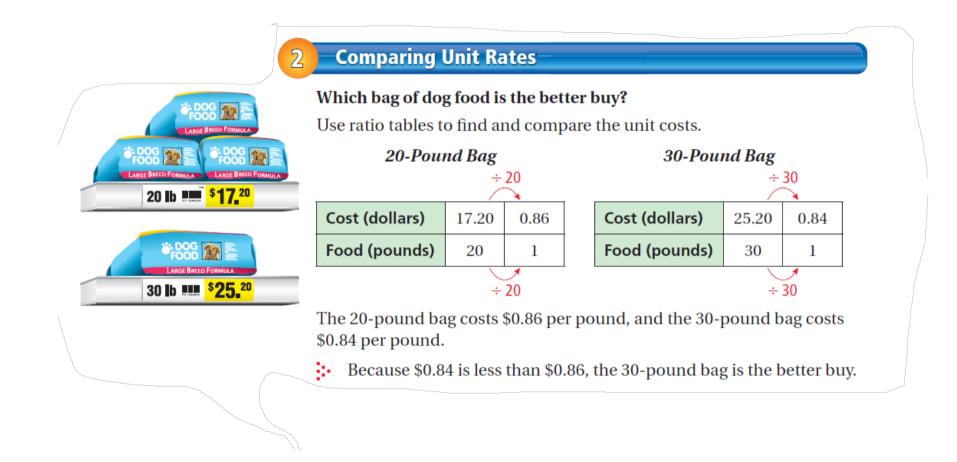
You mix 8 tablespoons of hot sauce and 3 cups of salsa in a green bowl. You mix 12 tablespoons of hot sauce and 4 cups of salsa in an orange bowl. Which mixture is hotter?

Use ratio tables to compare the mixtures. Find a larger batch of each mixture in which the amount of hot sauce or salsa is the same.

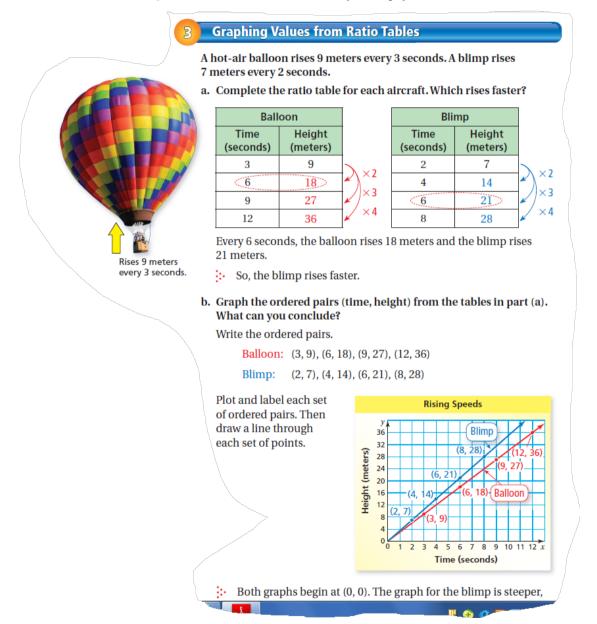


So, the mixture in the orange bowl is hotter.

Learning Objective: Students will be able to compare and graph ratios.



Learning Objective: Students will be able to compare and graph ratios.



Learning Objective: Students will be able to make ratio tables and use them to solve problems.

Assignment

Complete problems:

4, 6, 8, 10, 12, 14, 16, & 18

on pages 214 - 215 in your Big Ideas Text Book.

Learning Objective: Students will be able to make ratio tables and use them to solve problems.



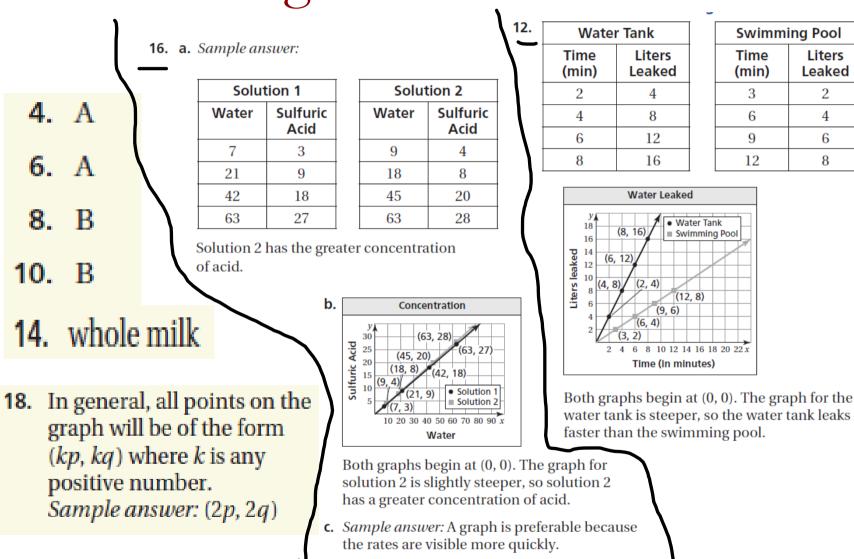
Liters

2

4

6

8



Learning Objective: Students will be able to compare and graph ratios.

Lesson 5.4

January 11 & 12, 2016

Essential Question:

How can you compare two ratios?

Lesson 5.4

January 11 & 12, 2016

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Homework

In your Big Ideas Record and Practice Journal page II2.