MathTeacherCoach.com

Math 6

UNIT 1 – Interactive Notebook

1-4 Comparing Ratios

Name:		Date:	

Common Core Standards	CCSS.MATH.CONTENT.6.RP.A.3 Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations. CCSS.MATH.CONTENT.6.RP.A.3.A Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.

1-3 Comparing Ratios

Method 1	COMPARING BY CROSS MULTIPLICATION
Method 2	COMPARING BY CHANGING THE RATIOS INTO SIMILAR FRACTIONS
Method 3	COMPARING BY DETERMINING THE UNIT RATE

Make A Choice!

1	2	3
Who drives faster?	Which store has a better deal?	Which bakeshop bakes more loaves of bread?
Troy drove 280 miles in 7 hours.	Store A sells 20 pieces of pencils for $8.	Bakeshop A can bake 35 loaves in 5 hours.
Phil drove 300 miles in 8 hours.	Store B sells 15 pieces of pencils for $6.	Bakeshop B can bake 45 loaves in 7 hours.

Your Choice and WHY?

Task Cards

Compare the given pairs of ratios in the pink card.

Write the correct symbol in the blue card.

1 12: 13 __ 14: 15	
2 9:6 __ 30:20	
3 135:15 ___ 45:5	

4

9:45 ___ 25:100

5

32:14 ___ 36:18

6

14:72 ___ 24:86

7

25:5 ___ 225:75

8

144:72 ___ 258:86

ANSWER KEY

1	**Troy drove faster, at 40 miles per hour.**
2	**Both stores offer the same deal, at $2.5 per piece.**
3	**Bakeshop A, it can bake 7 loaves of bread per hour.**

Task Cards

1.	**<**
2.	**=**
3.	**=**
4.	**<**
5.	**>**
6.	**<**
7.	**>**
8.	**<**