

Math 6

UNIT 1 – Interactive Notebook

1-4 Comparing Ratios

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| **Name:** |  | **Date:** |  |

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| **Common Core Standards** | [CCSS.MATH.CONTENT.6.RP.A.3](http://www.corestandards.org/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](http://www.corestandards.org/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

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| --- | --- |
| 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!

3

2

1

**Which bakeshop bakes more loaves of bread?**

**Who drives faster?**

**Which store has a better deal?**

**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.**

**Store B sells 15 pieces of pencils for $6.**

**Bakeshop B can bake 45 loaves in 7 hours.**

**Phil drove 300 miles in 8 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.** | **<** |
|  |  |  |