

Math 6

UNIT 1 – Interactive Notebook

1-3 Equivalent Ratios and Tables

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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 Equivalent Ratios and Tables

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| Example: | Are 2:3, 4:6 and 6:9 equivalent ratios? |
| Step 1: | and |
| Step 2: | and |
| Step 3: | YES |

Give three ratios that are equivalent to the following:

3:5

5:6

4:1

Task Cards

Match the pink card with the blue card.

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| |  | | --- | | **1.** | | **16:18** | |  | |  | | --- | | **a.** | | **12:18** | |
|  |  |  |
| |  | | --- | | **2.** | | **24:36** | |  | |  | | --- | | **b.** | | **125:25** | |

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| --- |
| **3.** |
| **1:5** |

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| --- |
| **c.** |
| **32:36** |

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| |  | | --- | | **4.** | | **49:14** | |  | |  | | --- | | **d.** | | **9:2** | |
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| |  | | --- | | **5.** | | **72:16** | |  | |  | | --- | | **e.** | | **14:4** | |
|  |  |  |
| |  | | --- | | **6.** | | **5:1** | |  | |  | | --- | | **f.** | | **18:81** | |
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| |  | | --- | | **7.** | | **2:9** | |  | | |  | | --- | | **g.** | | **30:50** | | |
|  | |  | |  | |
| |  | | --- | | **8.** | | **12:20** | | |  | | |  | | --- | | **h.** | | **16:80** | | |
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|  | **ANSWER KEY** | |
|  | **4:1** | **(Answers may vary) 8:2, 12:3, 16:4** |
|  | **5:6** | **(Answers may vary) 10:12, 15:18, 20:24** |
|  | **3:5** | **(Answers may vary) 6:10, 9:15, 12:20** |
|  | **Task Cards** |  |
|  | **1.** | **c** |
|  | **2.** | **a** |
|  | **3.** | **h** |
|  | **4.** | **e** |
|  | **5.** | **d** |
|  | **6.** | **b** |
|  | **7.** | **f** |
|  | **8.** | **g** |
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