

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: | $\frac{2}{3}, \frac{4}{6 }$ and $\frac{6}{9}$ |
| Step 2: | $\frac{2}{3}, \frac{2}{3}$ and $\frac{2}{3}$ |
| 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** |

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| **a.** |
| **12:18** |

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| **2.** |
| **24:36** |

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| **b.** |
| **125:25** |

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

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

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| **4.** |
| **49:14** |

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| **d.** |
| **9:2** |

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| **5.** |
| **72:16** |

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| **e.** |
| **14:4** |

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| **6.** |
| **5:1** |

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| **f.** |
| **18:81** |

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| **7.** |
| **2:9** |

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| **g.** |
| **30:50** |

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| **8.** |
| **12:20** |

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| **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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