

Math 6

UNIT 1 – Interactive Notebook

1-2 Unit Rate

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

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| **Common Core Standards** | [CCSS.MATH.CONTENT.6.RP.A.2](http://www.corestandards.org/Math/Content/6/RP/A/2/)Understand the concept of a unit rate a/b associated with a ratio a:b with b ≠ 0, and use rate language in the context of a ratio relationship. *For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is 3/4 cup of flour for each cup of sugar." "We paid $75 for 15 hamburgers, which is a rate of $5 per hamburger."* |

1-2 Unit Rate

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| Example: |  $55 jelly beans per 10 lb |
| Step 1: | $55 jelly beans per 10 lb |
| Step 2: | $$\frac{\$55 jelly beans}{10 lb}$$ |
| Step 3: | $55 jelly beans/10 = $5.510 lb/10 = 1 |
| Step 4: | $5.5 per pound of jelly beans |

**Problem 3:**

**Problem 2:**

**Problem 1:**

240 words every 6 minutes

$4 for every 16 oz bag of chips

360 miles per 10 hours

**Step 1**

**Step 1**

**Step 1**

**Step 2**

**Step 2**

**Step 2**

**Step 3**

**Step 3**

**Step 3**

**Step 4**

**Step 4**

**Step 4**

Task Cards

Match the pink card with the blue card.

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| **1.** |
| A car that travelling 546 miles on 14 gallons of gasoline  |

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| **a.** |
| **0.14 per unit** |

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| **2.** |
| 4 apples for $0.79  |

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| **b.** |
| **48 per unit** |

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| **3.** |
| 24 pencils for $2.98  |

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| **c.** |
| **0.20 per unit** |

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| **4.** |
| 52 ounces of liquid detergent for $7.16 |

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| **d.** |
| **$0.12 per unit** |

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| **5.** |
| Earn $250 in 8 hours |

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| **e.** |
| **39 per unit** |

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| **6.** |
| 4 pizzas for $21.99 |

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| **f.** |
| **31.25 per unit** |

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| **7.** |
| 3500 calories for 7 servings of chocolate cake |

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| **g.** |
| **5.50 per unit** |

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| **8.** |
| 288 students in 6 buses |

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| **h.** |
| **500 per unit** |

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|  | **ANSWER KEY** |
|  | **Problem 1**  | **36 miles per hour** |
|  | **Problem 2** | **$0.25 per hour** |
|  | **Problem 3** | **40 words per minute** |
|  | **Task Cards** |  |
|  | **1.**  | **e** |
|  | **2.** | **c** |
|  | **3.** | **d** |
|  | **4.** | **a** |
|  | **5.**  | **f** |
|  | **6.** | **g** |
|  | **7.** | **h** |
|  | **8.** | **b** |
|  |  |  |