

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: |  |
| Step 3: | $55 jelly beans/10 = $5.5  10 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **1.** | | A car that travelling 546 miles on  14 gallons of gasoline | |  | |  | | --- | | **a.** | | **0.14 per unit** | |
|  |  |  |
| |  | | --- | | **2.** | | 4 apples for $0.79 | |  | |  | | --- | | **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 | |  | |  | | --- | | **d.** | | **$0.12 per unit** | |
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| |  | | --- | | **5.** | | Earn $250 in 8 hours | |  | |  | | --- | | **e.** | | **39 per unit** | |
|  |  |  |
| |  | | --- | | **6.** | | 4 pizzas for $21.99 | |  | |  | | --- | | **f.** | | **31.25 per unit** | |
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| |  | | --- | | **7.** | | 3500 calories for 7 servings of chocolate cake | |  | | |  | | --- | | **g.** | | **5.50 per unit** | | |
|  | |  | |  | |
| |  | | --- | | **8.** | | 288 students in 6 buses | | |  | | |  | | --- | | **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** |
|  |  |  |