

Math 6

UNIT 1 – Interactive Notebook

1-8 Ratio and Measurement Units

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

|  |  |
| --- | --- |
| **Common Core Standards** | [CCSS.MATH.CONTENT.6.RP.A.3.D](http://www.corestandards.org/Math/Content/6/RP/A/3/d/) Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities. |

1-8 Ratio and Measurement Units

Conversion Rules Using RATIO

|  |  |
| --- | --- |
| Rule 1 | Determine the measurement or any information that you need to create a ratio. |
| Rule 2 | Go back to the problem and set up an equivalent ratio. Take note that it is important to include the units to avoid confusion. |
| Rule 3 | Multiply or divide to find what you’re looking for. |

Use Ratio to Convert Measurements

**3**

**2**

**1**

**25 feet to inches**

**0.5 gallons to quarts**

**5000 grams to milligrams**

|  |  |  |
| --- | --- | --- |
| Rule 1 | Rule 1 | Rule 1 |

|  |  |  |
| --- | --- | --- |
| Rule 2 | Rule 2 | Rule 2 |

|  |  |  |
| --- | --- | --- |
| Rule 3 | Rule 3 | Rule 3 |

Task Cards

Match the blue cards and the pink cards.

**a**

**1**

**180**

**0.085 meters to centimeter**

**b**

**2**

**85**

**21.6 inches to feet**

**c**

**3**

**0.5**

**50 milligrams to grams**

**d**

**4**

**0.05**

**80 quarts to gallons**

**e**

**5**

**8.5**

**85,000 grams to kilograms**

**f**

**6**

**0.0005 grams to milligrams**

**1.8**

**7**

**g**

**320**

**2160 inches to feet**

**8**

**h**

**80 gallons to quarts**

**20**

|  |  |  |
| --- | --- | --- |
|  | **ANSWER KEY** | |
|  | **1** | **5,000,000 grams** |
|  | **2** | **2 quarts** |
|  | **3** | **300 inches** |
|  | **Task Cards** |  |
|  | **1.** | **e** |
|  | **2.** | **f** |
|  | **3.** | **d** |
|  | **4.** | **h** |
|  | **5.** | **b** |
|  | **6.** | **c** |
|  | **7.** | **a** |
|  | **8.** | **g** |
|  |  |  |