**Notes – College Algebra**

Section 2.6 – Ratios, Rates and Conversions

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_

Starter: Solve these equations



  

Notes:

Ratio:

Rate:

**Problem 1: Comparing Unit Rates**



**Conversion Factor**:

**Problem 2: Converting Units**



**Problem 3: Converting Units Between Systems**

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**Problem 4: Converting Rates**

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**Let’s try this on our own…**

Problem 1: You are shopping for t-shirts. Which store offers the best deal?

 Store A: $25 for 2 shirts Store B: $45 for 4 shirts Store C: $30 for 3 shirts

Write each price as a ration. Then write the ratio as a unit to compare.

Problem 2: What is the given amount converted to the given units?

1. 330 min to hours
2. 15 kg to grams
3. 5 feet 3 inches to inches

Problem 3: The CN tower in Toronto, Canada, is about 1815 ft tall. About how many meters tall is the tower? Use the fact that 1 meter = 3.28 feet.

Problem 4: A student ran the 50-yard dash in 5.8s. At what speed did the student run in miles per hour?