**Homework Sheet # 8**  Name:

Parent Signature: Date: Period:

*Show all work* - ***NO CALCULATORS! No remainders. Due: 10/24***

**Section 1 Section 2**

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| 1. A coach threw a party after the big track meet. He bought a 32-inch and a 28-inch submarine sandwich. If the sandwich was cut into |  | 1. Order the following fractions from greatest to least: |  |
| equal sized pieces, what is the  length of the longest possible cut? | |  | |
| 2. Lee Ann can hold her breath underwater for 3.567 minutes. Roxie can hold her breath for 3.58 minutes. Who can hold |  | 2. of Babe’s Chicken’ customers purchase Sweet tea for their beverage. Write the percent and decimal equivalent |  |
| their breath longer? | | to the customers who bought  Sweet tea. | |
| 3. What is the prime factorization of 244? |  | 3. Order the following fractions from greatest to least: |  |
|  | |  | |
| 4. What number does the prime factorization, 2 x 5 x represent? |  | |  | | --- | | 4. 22% of Mrs. Roe’s students do not know their benchmark  fractions. Generate an | | *Justify your answer.* | | |  |
|  | | equivalent fraction and decimal  for this percent. | |
| 5. Identify the value of the following expression:  14 - 2 • 6 + 9 |  | 5. Simplify the following expression:  17 + 2 ( 6 - 3) – 3 x 4 |  |
|  | |  | |

**Section 3 Section 4**

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| 1. Simplify the following expression:  8 ÷ 2 x 6 + 6 |  | 1. Solve. (Hint: Draw a model.) | |  |
|  | | 8 - 5 = | | |
| 2. Order the following fractions from least to greatest: |  | 2. Represent 85 % with a model and identify the equivalent decimal and fraction. |  | |
|  | |  | | |
| 3. Derek has a snake that is 57 inches long. He writes this as an improper fraction: . Reduce |  | 3. Simplify the following expression:  18 – 3 • 6 + 5 | |  |
| this fraction to lowest terms. | |  | | |
| 4. Ramona goes out to eat with her two grandmothers. They spend $5.99 on an appetizer, $7.98 for a burger and fries, and $11.49 each for two grilled chicken plates. If drinks are |  | 4. On Mondays, Wednesdays, and Fridays, Laura trains for a marathon for 2 hours a day. On Tuesdays and Thursdays, she trains for 3 hours a day, and on Saturdays, she trains for 4 hours. | |  |
| $1.98 each, what is their total bill? | | On Sundays, she does not train.  How many hours does Laura train per week? | | |
| 5. Draw a model and solve:  + |  | 5. During PE, three boys run the 100-yard dash. The table records their times in seconds. Put the runners in order from fastest to slowest. | |  |
|  | | slowest.   |  |  | | --- | --- | | Runner | Time | | Cade | 11.78 | | Treyvon | 11.091 | | Jaime | 10.121 | | | |