**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? |  $\frac{1}{4}$$\frac{3}{4}$$\frac{5}{8}$$\frac{1}{2}$ |
| 2. Lee Ann can hold her breath underwater for 3.567 minutes. Roxie can hold her breath for 3.58 minutes. Who can hold |  | 2. $\frac{23}{25}$ of Babe’s Chicken’ customers purchase Sweet tea for their beverage. Write the percent and decimal equivalent  |  |
| their breath longer? | to the customers who boughtSweet tea. |
| 3. What is the prime factorization of 244? |  | 3. Order the following fractions from greatest to least: |  |
|  |  $\frac{2}{3}$$\frac{7}{12}$$\frac{3}{4}$ |
| 4. What number does the prime factorization, 2 x 5 x $13^{2}$ represent? |  |

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| 4. 22% of Mrs. Roe’s students do not know their benchmarkfractions. Generate an |
| *Justify your answer.* |

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|  |  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 |  |
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**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 $\frac{2}{3}$ - 5 $\frac{5}{6}$ = |
| 2. Order the following fractions from least to greatest:$\frac{5}{8}$ $\frac{3}{5}$ $\frac{7}{10}$  |  | 2. Represent 85 % with a model and identify the equivalent decimal and fraction. |  |
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| 3. Derek has a snake that is 57 inches long. He writes this as an improper fraction: $\frac{57}{12}$. 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.  |  |
| $1.98 each, what is their total bill? | On Sundays, she does not train. How many hours does Laura train per week? |
| 5. Draw a model and solve:$\frac{9}{10}$ + $\frac{4}{5}$ |  | 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.

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| Runner | Time |
| Cade | 11.78 |
| Treyvon | 11.091 |
| Jaime | 10.121 |

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