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

**Weekly Spiral Questions - Quarter 3 Week 8**

Show all work on a separate paper and attach it to the back. Be sure to label your answers appropriately! **(Calculator Inactive)**

|  |  |
| --- | --- |
| 1. Solve.

$$6\frac{5}{8}÷1\frac{2}{3}$$ | **Answer:** |
| 1. A jewelry store purchases a watch for $410. If there is a 110% markup, how much will the **retail price** of the watch be?
 | **Answer:** |

|  |  |
| --- | --- |
| 3. In 1992 the population in Raleigh, NC was 231,833. Today, the population is Raleigh is 423,179. Calculate the percent of change. (Round percent to the nearest tenth) | **Answer:** |
| 4. Write an expression in simplest form to represent the perimeter of the triangle. | **Answer:** |

|  |  |
| --- | --- |
| 5. Tim walks $\frac{1}{2}$ a mile in each $\frac{1}{3}$ hour. What is Tim’s walking rate? (miles per hour) | **Answer:**  |
| 6. The ratio of Mountain dew to Coke in a vending machine is 10:8. There are 40 Cokes in the machine. How many mountain dews are in the machine? | **Answer:** |

|  |  |
| --- | --- |
| 7. If $5x=105$, what is the value of $x^{2}$? | **Answer:** |
| 8. Kylie plans to go to the gyms on 16 different days this month. A one-day pass is $3.75. A monthly membership to the gym is 38.00. How much money will Kylie save by buying a monthly pass? | **Answer:** |