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

**Weekly Spiral Questions - Quarter 2 Week 5**

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

|  |  |
| --- | --- |
| 1. 1. Matt has 10 less Iphone apps than Sarah. Sarah has ***s*** Iphone apps. Write a variable expression for the amount of Iphone apps Matt has. | **Answer:** |
| 2. Let x represent the number of television show episodes that are taped in a season. Write an expression for the number of episodes that are taped in 5 seasons. | **Answer:** |

|  |  |
| --- | --- |
| 3. Translate the following algebraic expression into words:  6(x + 2) | **Answer:** |
| 4. What is the prime factorization of 240? | **Answer:** |

|  |  |
| --- | --- |
| 5. The formula for the perimeter of rectangle is P = 2L + 2W. The length of the rectangle is 10 units longer than the width. Write an algebraic expression (let width= w) that can be used to find the perimeter of the rectangle. | **Answer:** |
| 6. Jordan’s car needs to be repaired. The cost of the repair is going to be $75 per hour for labor and an additional $320 for parts. Write an expression that would represent the cost of getting the car repaired if a mechanic works on it for *h* hours.  7. Using your answer from number 6, find the total cost for Jordan’s car repair if the mechanic works on the car for 5 hours. | **Answer:**  **Answer:** |

|  |  |  |
| --- | --- | --- |
| 8. If there are 46 calories in one chicken nugget and 32 calories in one waffle fry, write an expression to represent the total number of calories consumed if you eat **c** chicken nuggets and **w** waffle fries. Next, find out total number of calories consumed if you ate 5 chicken nuggets and 10 waffle fries.   |  | | --- | |  | | **Answer:**  **Expression:\_\_\_\_\_\_\_\_\_\_\_**  **Total Calories: \_\_\_\_\_\_\_** |

Did you take your time and show all of your work?

Did you ask for help if you did not understand a problem?

Did you put in your best effort???