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

**Weekly Spiral Questions - Quarter 2 Week 7**

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

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| --- | --- |
| 1. To rent a kayak at the beach, there is an initial fee of $52. For each hour the kayak is rented, there is an additional $7 fee. Write an expression to calculate the total cost of renting the kayak for ***h*** hours. | **Answer:** |
| 2. What is the value of the expression$$5(x ÷y)^{2}+x$$When x=64 and y=16 | **Answer:** |

|  |  |
| --- | --- |
| 3. Solve for x.$$\left|-17\right|+\left|23\right|=5∙8x$$ | **Answer:** |
| 4. Write the phrase, “six times the difference of a number and nine” algebraically.  | **Answer:** |

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| --- | --- |
| 5. In January in Fairbanks, the average low is $-35℉$, but for the next two months, the average low increases by $12℉$ each month. What is the average low in March? | **Answer:** |
| 6. The Buccaneers scored 11 fewer points than four times the Panthers. Write an expression to represent the total points the Buccaneers scored. (hint: let p= the points the panthers scored.)  | **Answer:** |

|  |  |
| --- | --- |
| 7. Use your answer in number 6 to determine the points the Buccaneers scored if the panthers scored 21 points. | **Answer:** |
| 8. Which **property** is shown here:$$q\left(p+r\right)=\left(q×p\right)+(q×r)$$ | **Answer:** |