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

**Weekly Spiral Questions – Quarter 4 Week 4**

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. The table shows the cost of buying a certain number of items.   |  |  |  | | --- | --- | --- | | Item | Quantity | Total Cost | | Apple | 10 | $7.50 | | Banana | 4 | $3.28 | | Grapefruit | 6 | $5.04 | | Orange | 8 | $7.20 |   What item has the **highest** price per unit and what is the price per unit? | **Answer**  **Item:\_\_\_\_\_\_\_**  **Price per unit:\_\_\_\_\_** |
| 2. Riley can do 6 math problems in 20 minutes. How many math problems can Riley complete in 3 hours at this rate? | **Answer:** |

|  |  |
| --- | --- |
| 3. In a bag of mini candy bars, 40% of the candy bars are Snickers. There are 120 Snickers in the bag. How many total mini candy bars are in the bag? | **Answer:** |
| 4. A jar of grape jelly costs $6.95 plus tax. After sales tax, the jar of grape jelly costs $7.30. What is the sales tax rate? (your answer should be a percentage!) | **Answer:** |

|  |  |
| --- | --- |
| 5. In which Quadrant does the point (7, -3) lie? | **Answer:** |
| 6. Find the area of triangle ABC.  http://www.regentsprep.org/regents/math/algebra/AS1/areagraphprac1.gif | **Answer:** |

|  |  |
| --- | --- |
| 7. Find the area of the trapezoid.  https://dr282zn36sxxg.cloudfront.net/datastreams/f-d%3Ae764f1c3e83b3024cca4c061cbb134bbea2a05f4fd30ff0782ed47f8%2BIMAGE%2BIMAGE.1 | **Answer:** |
| 8. Find the difference between and . | **Answer:** |