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

**Spiral 19: Due 3-17-2017 NO CALCULATORS!!!!!!!**

***Set up a proportion to solve each problem that isn’t the table. Show ALL work to receive credit!!!***

1. The table below shows the ratio of cupcakes to tablespoons of icing.  Dora knows how much icing she will need for up to three cupcakes.Complete the table to represent a proportional relationship.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Number of Cupcakes | 1 |  |  |  |  |  |
| Tablespoons of Icing | 3 |  |  |  |  |  |

1. The Red Star Electronics Company can make 240 headphones in a four hour shift.  Find the unit rate and create a chart to show how many headphones can be made over a 8hour period.  Then, using the chart, state how many headphones the company can make in 8 hours. Complete the table to represent a proportional relationship.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hours | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Headphones |  |  |  | 240 |  |  |  |  |

1. John mows lawns in Niagara County. He charges a flat fee of $10 and then $5 per hour. Complete the table below to represent a non-proportional relationship.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hours | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Money Earned | $15 |  |  |  |  |  |  |  |

1. Shelly babysits for her neighbors. She charges then $6 in gas money and then $8 per hour. Complete the table below to represent a non-proportional relationship.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hours | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Money Earned |  |  |  | $38 |  |  |  |  |

5.) The scale of a model train is 1 inch to 13.5 feet. One of the cars of the model train is 5 inches long. What is the length, in feet, of the actual train car?

6.) Ms. Graves gave her class 12 minutes to read. Carrie read 6 ½ pages in that time. At what rate, in pages per hour, did Carrie read?

7.) Consuelo is grocery shopping and sees that the price of 4 melons is $7.00. How much does it cost for one melon?

8.)A 20-ounce bag of popcorn costs $2.80. If the unit price stays the same, how much does a 35-ounce bag of popcorn cost?

9.)Jeff wants to buy a phone card for long-distance calls. He can buy a 200-minute card for $10.00 or a 300-minute card for $12.00. Which card is the better value?