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

**Homework WEEK 15**

Solve the following problems **without a calculator**. You *MUST* show your work.

***NO WORK = NO CREDIT.***

**Homework – Monday**

|  |  |
| --- | --- |
| 1. A music store is having a clearance sale. All items are discounted by 15%. What is the sale price of a radio that regularly costs $20?  | 2. What percent of 50 is 35? |
| 3. Solve for x.  4 = x 10 35 | 4. 4x + 3(x - 5) = 51 |

**Homework- Tuesday**

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| 1. Lukas took 30 minutes to do 18 math problems. Juan took 23 minutes to do 11 math problems. Which student did more problems per minute? How do you know? | 2. Write the decimal and percent equivalent to 16 . 35 |
| 3. A bag contains 20 marbles. * Six of the marbles are blue.
* One-tenth of the marbles are red.
* Forty percent of the marbles are yellow.
* The remaining marbles are green.

 How many green marbles are in the bag? | 4. Solve for x. 7.5 = 4.2 12 x |

**Homework Wednesday**

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| --- | --- |
| 1. What is the value of **r** in the inequality: r + 7 < -19 4 | 2. Leah runs ⅚ of a mile in ¾ of an hour. If she continues at this rate, how far can Leah run in a full hour?  |
| 3. Which expression shows the total with an increase of 20%? Explain how you know.1. 100 + 20 = 120%
2. 100 - 20 = 80%
3. 80 + 20 = 100%
 | 4. Is this a proportional relationship? Explain.

|  |  |
| --- | --- |
| dollars | pens |
| 1 | 70 |
| 3 | 210 |
| 5 | 350 |

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**Homework - Thursday**

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| 1. The Freeman family went out to watch the Falcons play in the Super Bowl. Their meal came to $68.75. They paid a 6% tax and a 20% tip. What was their total bill? | 2. A Patriot’s Jersey is marked up $14 due to their participation in the Super Bowl. If this represents a 15% increase, what was the original price? (Round to the nearest cent if necessary.) |
| 3. You can get 640 calories from eating 5 bananas. How many calories can you get from eating 1 banana?  | 4. The sale price of a cell phone is $259. What was the original price if it was marked down 25%? (Round to the nearest cent if necessary.) |