Name: _____

Solve the following problems. You _MUST_ show your work. ***NO WORK = NO CREDIT.***

| | |
|---|---|
| 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. <br><br> $\dfrac{4}{10} = \dfrac{x}{35}$ | 4. $4x + 3(x - 5) = 51$ |

**Homework- Tuesday (January 31, 2017)**

Solve the following problems. You _MUST_ show your work. ***NO WORK = NO CREDIT.***

| | |
|---|---|
| 1. Allela took 22 minutes to do 13 math problems. Jordan took 24 minutes to do 12 math problems. Which student did more problems per minute? How do you know? | 2. Write the decimal and percent equivalent to $\dfrac{54}{99}$. |
| 3. A bag contains 20 marbles. <br> • Six of the marbles are blue. <br> • One-tenth of the marbles are red. <br> • Forty percent of the marbles are yellow. <br> • The remaining marbles are green. <br> How many green marbles are in the bag? | 4. Solve for x. <br><br> $\dfrac{7.5}{12} = \dfrac{4.2}{x}$ |

|  |  |
|---|---|

## Homework - Wednesday (February 1, 2017)
Solve the following problems. You *MUST* show your work.  ***NO WORK = NO CREDIT.***

| 1. What is the value of **r** in the inequality:<br><br>$\dfrac{r+7}{4} < -19$ | 2. Leah runs ⅝ 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.<br><br>  a.  100 + 20 = 120%<br>  b.  100 - 20 = 80%<br>  c.  80 + 20 = 100% | 4.  Is this a proportional relationship?  Explain.<br><br><table><tr><td>dollars</td><td>pens</td></tr><tr><td>1</td><td>70</td></tr><tr><td>3</td><td>210</td></tr><tr><td>5</td><td>350</td></tr></table> |

## Homework - Thursday (February 2, 2017)
Solve the following problems.  You *MUST* show your work.  ***NO WORK = NO CREDIT.***

| 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.) |