Homework Set March 5th - March 9th **Name_____Block____**

Remember to show ALL work to receive credit!

MONDAY HOMEWORK

1. In a vase there are 14 flowers. Six of them are roses, five of them are daisies. The remainder are tulips. What is the ratio of flowers to tulips?

2. Jake's mom owns a bakery. The ratio of cookies to cupcakes is 5:3. If there are 100 cookies in all how many cupcakes are there?

3.Jake earns 15% commission on the total amount he sells. If he sells $545 worth of items, how much commission does Jake earn?

4. Terrance's Clothing Store buys coats for $50 and then sells them for $80. What is the percent of increase on the price of the coat?

5. 35% of what number is 70?

TUESDAY HOMEWORK

1. Find the constant of proportionality from the table below. Show your work!

x	2	4	7	9
y	0.4	0.8	1.4	1.8

2. Ella borrowed $1200 for 9 months at a 3.5% interest rate. What is the total amount Ella owed after 9 months? _____If she makes equal monthly payments, what will her payments be? _____

3. Ms. McKenzie spent $212.60 at Target. If the sales tax is 6%, what was her final bill?

4. Ms. Rodriquez purchased a new computer for $1,150 at the Apple Store for 15% off. If the sales tax is 7.5% what was the total of her purchase?

5. A piece of cable 8.5-cm long weighs 52 grams. What will a 10-cm length of the same cable weigh? _____ What is the percent of change in the difference of the weights?

WEDNESDAY HOMEWORK

1. Which one is the better buy? 4 batteries for $4.95 or 12 batteries for $10.95? What is the difference between the two choices?

2. What is the total interest on $7,400 loan at 10.5% for 3 months? How much is owed for the loan?

3. A car salesperson set a goal to earn $3,500 this month. He receives a base salary of $500 each month and a 15% commission on all car sales. How much will he need to earn in sales to meet his goal?

4. Richard earns $2,700 a month. He received a raise of $81 per month. What is the percent of increase in his salary? _____ How much will he now make per year? _____

5. How much time would it take for $1,900 invested in a bank account to reach $2,460.50 at 5.9% interest rate? (think: I = prt)

THURSDAY HOMEWORK

1. Simplify: $-9(x + 5 - y)$

2. Simplify: $2(4x - 7y - 4)$

3. Simplify: $-7(6x - 4y + 9)$

4. Simplify: $-\frac{1}{2}(4y - 20)$

5. Simplify: $6z - 4y - (-12) + 2z + 4y - 5$