**Name: Weekly Math Homework – Q2:Wk1 Cohort: www.mrarchermath.weebly.com**

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| **Monday** | **Tuesday** | **Wednesday** | **Thursday** |
| 1.) On a map a scale of ¼ cm = 50 m. If two cities are 250 meters apart, how many centimeters would it represent on the map? | 5. Hank can hike 1 ½ miles in 3/5 of an hour. At this rate how many miles does he travel per hour? | 9.) Two islands measure 2 ½ inches apart on a map. If a scale of ½ inches represents 25 miles. How far apart are the islands in real life? | 13.) A baker’s recipe calls for 2 1/3 cups of sugar to bake 12 cookies. How much sugar is needed per cookie? |
| 2.) An item is on-sale for 20% off the retail price. If a sweater retails for $24.95, what is the sale price? | 6.) The Walberg family went out to eat and ordered a pizza for $18, two orders of breadsticks for $4.99 each, and a Cesar salad for $8.99. They were charged 8.5% sale tax on their order, what was the total price of their food after taxes? | 10.) A shoe store buys a pair of Nike’s for $42 and adds a markup of 75%. On Black Friday they will mark all shoes down 10% as a discount. What will the price of the Nike’s cost on Black Friday? | 14.) Kimberly gets her hair cut for $25 and used a 15% off coupon. She decides to give her hair dresser a $5 tip. She decided to pay with a $50 bill, how much change would she receive? |
| 3.) Combine like terms  2x + 10y + 7 – 8y + 7x - 5 | 7.) Solve the following:  (8) (-8) =  (-5) (5) =  (-7) (2) =  -25 / 5 =  -56 / 8 = | 11.) If Mark starts the day with $45 in his wallet and spends 20% on gas and uses the remaining amount to go to the new IMAX movie with his best friend. How much did Mark spend on each ticket? | 15.) The Anderson family spent $500 last month on bills. Of that amount 1/4 was used for electricity, 1/10 was spent on internet, 1/5 was spent on cable, the rest was used for food. How much did the Anderson family spend on food? |
| 4.) Simplify  -2(x + 10) + 3(-2x - 5) | 8.) Simplify  ½(10x - 2y) - 4( ½x + 2y) | 12.) ***Integer Rules***  A positive (+) multiplied or divided by a positive (+) is ALWAYS \_\_\_\_\_\_\_\_\_\_\_  A positive (+) multiplied or divided by a negative (-) is ALWAYS \_\_\_\_\_\_\_\_\_\_\_  A negative (-) multiplied or divided by a negative (-) is ALWAYS \_\_\_\_\_\_\_\_\_\_\_ | 16.) ***Constant of Proportionality Graph Rules***  In order for a line on a graph to be proportional it must:  Pass through the \_\_\_\_\_\_\_\_  AND  Be a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |