**Name: Weekly Math Homework – Q1:Wk7 Cohort: www.mrarchermath.weebly.com**

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| **Monday** | **Tuesday** | **Wednesday** | **Thursday** |
| 1.) Jerry can run ¾ miles in 1/12 of an hour. At this rate how many miles can he run in 3 hours? | 5.) Susan can swim 2 ½ laps in 10 minutes, at this rate how many laps does she swim per minute? | 9.) A car is traveling at a constant speed of 45 miles per hour. If he car drove for 2.5 hours, how far would it travel? | 13.) A light post measures 12 feet tall and casts a shadow of 5 feet. If a dog is sitting next to it and casts a 0.75 foot shadow, how tall is the dog? |
| 2.) Food Lion sells 5 bananas for $2.15, while Publix sells 8 bananas for $2.95. Which store is the better buy and how much would you save per banana? | 6.) A shark can swim 10 meters in 2.5 seconds. A dolphin can swim 15 meters in 3.25 seconds. Which animal swims faster per meter? | 10.) A box 12 pack of paper towels cost $16.98. If the store wanted to charge the same rate for an 8 pack, how much would it cost? | 14.) Jack is deciding where to buy 100 lightbulbs from. Lowes sells packs of 25 for $42.99 and Home Depot sells packs of 10 for $18.99. Where is the cheaper store to buy 100 lightbulbs from and how much would he save? |
| 3.) Mike bought new school supplies, he bought a notebook for $5.99, a folder for $1.99, and two packs of pencils for $0.99 each. If the store charges a 7.5% sales tax, what was the total price of his purchase? | 7.) Michelle bought a new soccer ball for $19.99 and had a 15% off coupon. What was the sales price of the soccer ball? | 11.) The Wilson family went out to eat for $125.78 and were charged 6% sales tax. After applying the tax, the added an 18% tip for their server. What was the total cost of the meal after tax and tip were included? | 15.) Pete bought a new game for $59.99 and was charged 8% sales tax, however after applying the tax, he used a 20% off coupon. What was the final price of the game after the tax and coupon were applied? |
| 4.) If a fair number cube labeled 1-6 is rolled, what is the probability of rolling an number less than 2? | 8.) Combine like terms x - .42x + y + .25y | 12.) If the colors RED, YELLOW, BLUE, GREEN, and PURPLE, are put on a spinner, what is the probability it will land on RED or BLUE? | 16.) Combine like terms 2x + 10y – x + 6 – 5y |