**Name: Weekly Math Homework – Q1:Wk6 Cohort: www.mrarchermath.weebly.com**

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| **Monday** | **Tuesday** | **Wednesday** | **Thursday** |
| 1.) An award winning pumpkin carver can carve 12 pumpkins in 2 ½ hours. At this rate how long would it take them to carve 45 pumpkins? | 5.) Bill worked 32 hours last week and made $688. How much did he make per hour? | 9.) A horse can run 1 ¾ miles in ¼ of an hour. If the horse ran a 5 mile race at the same constant speed, how long would it take them to finish? | 13.) Food Lion sells 6 apples for $2.88. Publix sells the same apples in bunches of 12 for $5.04. Which store is cheaper per apple and how much cheaper? |
| 2.) Coulwood is building a new outside basketball court. If the dimensions on the blueprint read 3.5 inches wide by 12 inches long and they use a scale of 4 to enlarge the blueprint, what is the area of the actual basketball court in square feet? | 6.) A 6-foot-tall person casts a 2.5-foot-long shadow. If there is a tree measuring 14 feet tall next to the person, what is the length of the tree’s shadow? | 10.) A gardener wants to shrink the perimeter of their rectangular garden by a scale of 0.25. If the original garden had a length of 40 feet and a width of 28. What is the perimeter of the garden after shrinking its dimensions? | 14.) A scarecrow measures 7.5 feet tall and casts a shadow of 3 feet. If a stalk of corn grows to 4 feet tall, what is the length of its shadow? |
| 3.) Max went out to eat and spent $17.38 on his meal. If he was charge 7.5% sale tax what was the total cost for his meal after taxes? | 7.) Melanie went shopping at Old Navy and bought a new shirt which originally costs $19.99. She used a 20% off coupon. What was the sales price of the shirt after applying the coupon? | 11.) The Malcom family went out to dinner and ordered a large pepperoni pizza for $18.99, an order of mozzarella sticks for $5.99, and 4 Pepsis for $0.99 each. If they left the server an 18% tip, what was the total price of their meal including the gratuity? | 15.) Tyler bought a new baseball glove that originally costs $85. If the store was having a pre-season sale and discounted all items 10%, what is the new cost of the glove? |
| 4.) If a fair number cube labeled 1-6 is rolled, what is the probability of rolling a number 5 or less? | 8.) In a bag of Skittles there are 4 cherries, 6 lime, 2 grapes, 8 oranges, and 4 watermelon candies. What is the probability that if selected at random you would choose a lime flavored Skittle? | 12.) In Mr. Johnson’s homeroom there are 28 students, if 15 of the students are girls, what is the probability that if randomly selected a boy is called on? | 16) Mr. Archer is getting his last name painted on a sign to hang on his door. If the letters A R C H E R are put in a bag and selected at random to be pained, what is the probability that he first letter pulled out is an R? |