**Name: Weekly Math Homework – Q1:Wk4 Cohort: www.mrarchermath.weebly.com**

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| **Monday** | **Tuesday** | **Wednesday** | **Thursday** |
| 1) Tyree can build 1/6 of an engine in ¾ of an hour. At this rate how many engines could he build in 3 hours? | 5) Mr. Archer can swim 1 ½ laps in 2 ¾ minutes. At this rate how many laps can he swim in 8 minutes? | 9) John is traveling at a constant speed of 60 miles per hour. At this rate how long would it take him to travel 512 miles? | 13) A painter uses 5/12 of a gallon of paint to cover 3/5 of a wall. How many gallons of paint are need to cover the entire wall? |
| 2) Steph scored 18 points in 4.5 minutes, her teammate Riley scored 11 points in 2.75 minutes. Who was more productive in terms of points scored per minute played? | 6) Walmart is selling 32 pieces of Halloween candy for $3.65. Target is selling 24 piece bags for $2.49. Who is selling Halloween candy for the cheapest and how much cheaper is it per piece of candy? | 10) George worked 9 hours over the weekend and made $110 raking leaves. Green Thumb Lawn Care pays its employees using the equation, pay = 12.50 x hours worked. George wants to know is it better to keep working on his own or take a job at Green Thumb? And why would make more money that way? | 14) A Black Bear can run 11.5 meters in 3.25 seconds. A Polar Bear takes 5 seconds to run 14 meters. Who can run faster in terms of meters per second? |
| 3) Find the permeter: | 7) Find the permeter: | 11) If the triangle below is increased by a scale of 2.5, What is the area of the englarged triangle? | 15) If the triangle below is increased by a scale of ½ , What is the area of the englarged triangle? |
| 4) In Mr. Archer’s Math class there are 28 students. Their grades breakdown is as follows: 12 of them have an A, 8 have a B, 5 have a C, 2 have a D, and 1 is Failing. What is the probability that a random student is selected and has a A or B grade? | 8) On a fair number cube labeled 1-6, what is the probability of rolling a number less than 4? | 12) A bag contains 5 red marbles, 2 green marbles, 8 blue marbles, and 3 orange marbles. What is the probability of reaching into the bag and selecting a green or orange marble? | 16) Mr. El’s homeroom has 4 students in Orange house, 6 students in the Blue house, 8 students in the Purple house, 3 students in the Red house, 3 students in the Green and 2 students in the Yellow house. What is the probability that a student selected at random is in the orange house? |