**Homework: Monday, October 17, 2015**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺***

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| **Determine whether the relationship between the two quantities described in each table is linear. If so, find the constant rate of change. If not, explain your reasoning.**   |  |  | | --- | --- | | **Greeting Cards** | | | **Number of Cards** | **Total Cost($)** | | 1 | 1.50 | | 2 | 3.00 | | 3 | 4.50 | | 4 | 6.00 |  |  |  | | --- | --- | | **Running** | | | **Time (min)** | **Distance(mi)** | | 15 | 2 | | 30 | 4 | | 45 | 5 | | 60 | 6 | | Humpback whales are known to weigh as much as 8 × 104 pounds. The tiny krill they eat weigh only 2.1875 × 10-3 pounds. How many times greater than krill are humpback whales? |
| If the area of a square is 81 square meters, how many meters long is each side? |
| Jodie took measurements of her new favorite jewelry box. Order the set of measurements from least to greatest. {2.2. 2, √5, 2.222…} |
| REVIEW: The pull of gravity on the surface of Mars is 0.38 that of Earth. Write 0.38 as a fraction in simplest form. | REVIEW: In the first round of a local tennis tournament, there are 25 matches. Find the number of matches. |

**Homework: Tuesday, October 18, 2016**

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| The Statue of Liberty is about 1.5108 × 102 feet tall from the base to the torch. The pedestal is 1.54 × 102 feet tall. How tall is the Statue of Liberty from the foundation of the pedestal to the top of the torch? | **Determine whether a proportional relationship exists between the two quantities shown in each graph. Explain your reasoning.**  CCSS_C3_Ch3_L1_Skills1.jpg CCSS_C3_Ch3_L1_Skills2.jpg |
| Jake is buying grass seed. The two pound bag will cover 100 square feet of lawn. Estimate the side length of the largest square Jake could seed if he purchases 4 bags. | A cube shaped packing box can hold 729 cubic inches of packing material. Solve 729 = s3 to find the length of one side of the box. |
| REVIEW: Evaluate  55 ・ 63 ・ 810  53 ・ 6 ・ 89 | REVIEW: A company has set aside 107 dollars for annual employee bonuses. If the company has 104 employees and the money is divided equally among them, how much will each employee receive? |

**Homework: Wednesday, October 19, 2016**

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| The relation (0, 2), (3, 11), (x, 17), (8, 26) and (12, 38) is a function. What is the value of x? | Charmaine and Aaron are having a debate. Charmaine thinks the answer to their math homework is (42)4, but Aaron says the answer is (44)2. Explain how both Charmaine and Aaron can be correct. |
| Evaluate and express your answer in scientific notation. | Give a counterexample for the statement “All square roots are irrational numbers”. Explain your reasoning. |
| REVIEW: Dedra’s dog weighs 5 x 24 pounds. What is the weight of Dedra’s dog? | REVIEW: Simplify [(72)2]2 |

**Homework: Thursday, October 20, 2016**

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| A bank starts the day with 2.93 × 104 dollars in the vault. At the end of the day, the bank has 3.5 × 105  dollars in the vault. How much more money is in the vault at the end of the day than there was in the morning? | A concert crew needs to set up some chairs on the floor level. The chairs are to be placed in a square pattern consisting of four square sections. If one of the square sections hold 900 chairs, how many chairs will be along each length of the larger square? |
| Determine whether 1.2 x 105 or 1.2 x 106 is closer to one million. EXPLAIN.  coefficient | |  |  | | --- | --- | | # of weeks | Miles Ran | | 3 | 90 | | 5 | 150 | | 8 | 240 |   Jaquara and Lilly are both training for a race. The equation y = 25x represents the number of miles Lilly ran after x weeks. The table below represents the total miles Jaquara ran over a different number of weeks. |
| Moesha has 196 pepper plants that she wants to plant  in square formation. How many pepper plants should she plant in each row? | Estimate the square root:   * 1. 145 |
| REVIEW: Evaluate:  (9.8 × 105) – (6.7 × 103)  3.936 × 105  2.4 × 102 | REVIEW: Nuclear power provided 78% of the energy used in France in 2005. Write 0.78 as a fraction in simplest form. |