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| **Week 25 Sixth Grade Math For Today Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | |
| **NO.2.6.3**  **One-step Equations** | | **A.7.6.1**  **Identify Constant and Varying Rates of Change** | | **DAP.17.6.1**  **Theoretical & Experimental Probability** | |
| **M**  **O**  **N**  **D**  **A**  **Y** | Jarrod has twice as many model cars as he has model airplanes.  If he has 30 cars, how many airplanes does he have?  Show your work. | Which of the following situations describes a variable (a quantity that changes)?  A. The number of sides for a quadrilateral  B. The high temperature for the day  C. The volume of water in a liter  D. The speed of a racecar from the start of  the race to the finish line. | | 1. What is the theoretical probability of rolling a 6 on a number cube?  2. Out of 50 rolls, Jackson rolled a 6 on the number cube a total of fifteen times. What was the experimental probability of rolling a 6?  Of the two probabilities above, which probability was greater? How do you know? | |
| **T**  **U**  **E**  **S**  **D**  **A**  **Y** | Solve the following equations for the value of *x*:  2*x* = 120  4*x* = 96  6*x* = 84 | Identify the situation that is a varying rate of change.  A. The number of hours that pass per day  B. The distance between the water  fountain and the bathroom  C. The number of dimes in a dollar  D. The amount of electricity used by a  family in a month. | | 1. What is the theoretical probability of rolling an **even** number on a number cube?  2. If Jason rolls a number cube 50 times, how many times will he need to roll an even number to match the theoretical probability? | |
| **Week 25 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | |
| **Sixth Grade Math For Today** | | | | |
| **W**  **E**  **D**  **N**  **E**  **S**  **D**  **A**  **Y** | Solve the following equations for the value of *n*:  *n* ÷ 4 = 9 | | Which graph represents a constant rate of change?  A.  B. | [image]If the weatherman predicts a 40% chance of rain, what is the probability that it will **not** rain?  What is the probability that it will actually rain cats and dogs?  If you toss a coin that has heads on one side and tails on the other, what is the probability of tossing a coin and it lands **either** heads or tails? |
| **T**  **H**  **U**  **R**  **S**  **D**  **A**  **Y** | Courtney has three times as many bracelets in her jewelry box as she has watches. If she has 12 bracelets, how many watches does she have? | | Which table represents a varying rate of change?  A.   |  |  | | --- | --- | | **Time** | **Distance** | | 1 | 10 | | 2 | 20 | | 3 | 30 | | 4 | 40 |   B.   |  |  | | --- | --- | | **Time** | **Distance** | | 1 | 10 | | 2 | 20 | | 3 | 25 | | 4 | 30 | | In Edward’s sock drawer there are 4 black socks, 4 brown socks and 6 blue socks. Without looking, Edward pulls out a blue sock and puts it on. What is the probability that Edward will randomly pull out another blue sock on the next pull? |

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| **6th Grade Friday Math for Today** |

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| **MATHEMATICS OPEN-RESPONSE ITEM A A.6.6.1**  A. Bailey babysits for her cousin in the summer. Her rate of pay is $6.00 per hour.    1. How much money does Bailey earn if she works a 40-hour week? Show all your work  and/or explain your answer.  2. Bailey earns 1.5 times her normal rate of pay for each hour she works over 40 hours. One  week she worked 44 hours. How much money did she earn that week? Show all your  work and/or explain your answer. |

**A.**