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| **WARM UP/**  **REVIEW** | 1. Simplify: 7(8x – 6y + 9)  2. Identify the constant of proportionality (unit rate) using the table below. Give the rate in feet per second.   |  |  | | --- | --- | | Seconds | Feet | | 5 | 120 | | 15 | 360 | | 20 | 480 |   3. Jonah had 120 stickers in his collection. If his collection grows by 30%, how many stickers are in his collection? |
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| **Notes** | **- Probability is usually represented as a fraction or a percent.**  **- To estimate experimental probability we use proportions.**  **- The closer the fraction is to 1, the greater the probability the event will occur.**  **- The sum of all possible outcomes is one.** |
| **PRACTICE**  **Do this AFTER LESSON ACTIVITY!!!!!!!** | 1. A bag contains 5 blue sticks, 4 red sticks, and 3 orange sticks and you ask a friend to pick one without looking. What is the probability that the stick will be blue?  2. You ask a friend to think of a number from two to eleven. What is the probability that his number will be 5?  3. You think of a number from the first thirty negative integers. What is the probability that the integer chosen will be divisible by 5?  4. Mary is making a necklace by alternating red, yellow, and green beads. In a bowl, she has 20 red beads, 20 yellow beads, and 20 green beads. If Mary needs a red bead, what is the probability of her picking one randomly?  5. Kelly will roll a number cube labeled 1 to 6. What is the probability Kelly will roll a number greater than 3? |
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