FORMULAS AND STORIES: FORMULA CARDS

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FORMULAS AND STORIES: STORY CARDS

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| Mateo started his bike ride earlier than Amelia. During the first 30 minutes of Amelia’s ride, Mateo was traveling at a constant speed equal to ½ of Amelia’s maximum speed of 20 miles per hour during that same time period. How far, in miles, did Mateo travel during the first half-hour of Amelia’s ride. | The average weight of 8 cats is 9.3 pounds. If the smallest cat is excluded, the average weight of the 7 remaining cats is 9.5 pounds. What is the weight of the smallest cat? | The names of the 5 players on the starting lineup will be read aloud. If there are 15 players to select from, how many different ways can the starting lineup be introduced to the crowd? |
| In the circle shown above,  is the diameter. The radius of the circle is 3 inches. What is the area of the shaded region? | A starting lineup of 5 players will be selected from a team of 15 players. How many different starting lineups could be created? | The bottom of a violin case, shown below, has an area of 240 square inches and a perimeter of 80 inches. The case has a uniform depth of 7 inches. What is the volume of the violin case?  A green and black fish  Description automatically generated |