

## Lesson 5: More Estimating Probabilities

### Cool Down: The Probability of Spinning B

Jada, Diego, and Elena each use the same spinner that has four (not necessarily equal sized) sections marked A, B, C, and D.

- Jada says, "The probability of spinning B is 0.3 because I spun 10 times, and it landed on B 3 times."
- Diego says, "The probability of spinning B is 20% because I spun 5 times, and it landed on B once."
- Elena says, "The probability of spinning B is  $\frac{2}{7}$  because I spun 7 times, and it landed on B twice."

1. Based on their methods, which probability estimate do you think is the most accurate? Explain your reasoning.

2. Andre measures the spinner and finds that the B section takes up  $\frac{1}{4}$  of the circle. Explain why none of the methods match this probability exactly.