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Module 20 Solving Problems Using Probability,
Statistics, and Discrete Math
Lesson 2 Solving Basic Probability Problems

**guided
practice**

Set 1

Use the table for Questions 1 through 4.

The table shows the outcomes of 30 spins of a wheel that has four equally-spaced sections numbered one through four.

Section	Number of Spins
1	5
2	10
3	8
4	7

- 1 Find the experimental probability of spinning a three.

$$P(3) = \frac{4}{15}$$

2. Find the experimental probability of spinning an odd number.

$$P(\text{odd}) = \frac{13}{30}$$

3. Find the theoretical probability of spinning a three.

$$P(3) = \frac{1}{4}$$

4. Find the theoretical probability of spinning an odd number.

$$P(\text{odd}) = \frac{1}{2}$$

Set 2

1. A teacher randomly assigns seats. If the probability of sitting in the first row is $\frac{2}{7}$, find the probability that a student is assigned a seat not in the front row.

$$P(\text{Not front row}) = \frac{5}{7}$$

2. The probability that it will rain tomorrow is $\frac{3}{5}$. Find the probability that it will not rain tomorrow.

$$P(\text{Not rain}) = \frac{2}{5}$$
