Name _____ Date _____

EXPERIMENTAL PROBABILITY

Answer each question. Write each experimental probability as a fraction in simplest form.

1. Danica is on the lacrosse team. She has scored a goal during 6 of her last 10 games. What is the experimental probability that Danica will score a goal in her next game?

$P(\text{goal}) =$ ☐

2. It has snowed 15 out of the last 20 days at Snowy Peak Ski Resort. What is the experimental probability that it will snow at the resort tomorrow?

$P(\text{snow}) =$ ☐

3. Shawna is playing a board game with a spinner. Out of the last 14 spins, 4 have landed on yellow. What is the experimental probability that the next spin will land on yellow?

$P(\text{yellow}) =$ ☐

4. Of the last 55 customers at Caleb's Cones, 25 ordered cookie dough ice cream. What is the experimental probability that the next customer will order cookie dough ice cream?

$P(\text{cookie dough}) =$ ☐

5. On a game show, winners choose if they get a car or a mystery prize. This week, 4 winners chose a mystery prize and 2 winners chose a car. What is the experimental probability that the next winner will choose a car?

$P(\text{car}) =$ ☐

6. Eli surveyed students in his class. He found that 10 students have a pet and 10 students do not have a pet. What is the experimental probability that the next student he surveys will have a pet?

$P(\text{pet}) =$ ☐

7. Gabriela works at the airport. So far today, 10 flights have left on time and 2 flights have left late. What is the experimental probability that the next flight will leave on time?

$P(\text{on time}) =$ ☐

8. Mitch plays chess with his aunt every Friday. He's won 12 matches and lost 3 matches. What is the experimental probability that Mitch will win the next match?

$P(\text{win}) =$ ☐