

**Directions:** Use the terms you learned on page 5 to help explain your decisions for the following situations.

1. Glenda overheard on the radio that the weather forecast called for an 80% chance of rain. Should she pack her umbrella in her book bag?

---

---

---

2. Mark is playing a board game with his friend, Albert. He needs to spin a 5 to win the game. He has a 10% chance of spinning the number he needs. Should he expect to win on this turn?

---

---

---

3. Reread situation number 2. Would Mark be more likely to win if his chance of spinning a 5 were 50% instead of 10%? Compare these two probabilities. How might a 50% chance at a win on this turn affect the game?

---

---

---

4. Erin expects a surprise party for her birthday. She is 95% sure this event will occur. Why might she feel almost certain?

---

---

---

5. James has a choice of getting either a hot dog or a hamburger for lunch. Can you predict which he will receive? Why or why not?

---

---

---

6. Players of a popular carnival game win 30% of the time. Would you play this game if it cost only 25¢ to play? What if a play cost \$1.00? Why or why not?

---

---

---