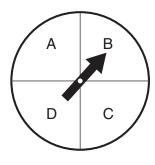
## **Lesson 7 Skills Practice**

## Independent and Dependent Events

For Exercises 1-6, a number cube is rolled and the spinner at the right is spun. Find each probability.

**1.** *P*(1 and A)

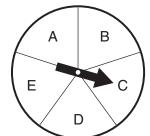
- **2.** *P*(odd and B)
- **3.** *P*(prime and D)
- **4.** *P*(greater than 4 and C)
- **5.** P(less than 3 and)consonant)
- **6.** *P*(prime and consonant)

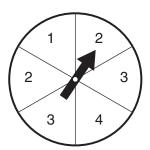


- 7. What is the probability of spinning the spinner above 3 times and getting a vowel each time?
- **8.** What is the probability of rolling a number cube 3 times and getting a number less than 3 each time?

Each spinner at the right is spun. Find each probability.

- **9.** *P*(A and 2)
- **10.** P(vowel and even)
- **11.** *P*(consonant and 1)
- **12.** P(D and greater than 1)





There are 3 red, 1 blue, and 2 yellow marbles in a bag. Once a marble is selected, it is not replaced. Find each probability.

**13.** *P*(red and then yellow)

**14.** *P*(blue and then yellow)

**15.** *P*(red and then blue)

- **16.** *P*(two yellow marbles)
- **17.** *P*(two red marbles in a row)
- **18.** *P*(three red marbles)

GAMES There are 13 yellow cards, 6 blue, 10 red, and 8 green cards in a stack of cards turned face down. Once a card is selected, it is not replaced. Find each probability.

**19.** *P*(2 blue cards)

**20.** *P*(2 red cards)

**21.** *P*(a yellow card and then a green card)

- **22.** *P*(a blue card and then a red card)
- **23.** *P*(two cards that are *not* red)
- **24.** *P*(two cards that are neither red or green)