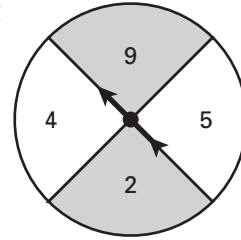


Practice A

For use with pages 716–722

Spinning a Spinner You have an equally likely chance of spinning any value on the spinner. Find the probability of spinning the given event.



1. a shaded region
2. a factor of 27
3. a number less than 6 or a shaded region
4. an even number or perfect square
5. a prime number
6. a two-digit number

Choosing Marbles A jar contains 5 red marbles, 3 green marbles, 2 yellow marbles, and 1 blue marble. Find the probability of randomly drawing the given type of marble.

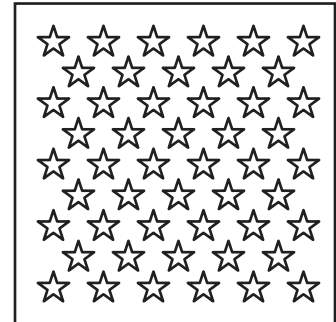
7. a yellow marble
8. a blue marble
9. a green or yellow marble
10. a red or yellow marble

School Mascot In order to choose a mascot for a new school, 2755 students were surveyed: 896 chose a falcon, 937 chose a ram, and 842 chose a panther. The remaining students did not vote. A student is chosen at random.

11. What is the probability that the student's choice was a panther?
12. What is the probability that the student's choice was not a ram?
13. What is the probability that the student's choice was either a falcon or a ram?

Hitting a Star In Exercises 14–16, use the following information.

You are throwing a dart at the square shown at the right. Assume that the dart is equally likely to land at any point in the square. The square is 2 inches by 2 inches. Each star has an area of 0.01 square inch.



14. The dart has landed inside the square. What is the probability that it hit a star?
15. The dart has landed inside the square. What is the probability that it hit a star in the top three rows?
16. The dart has landed inside the square. What is the probability that it hit one of the four corner stars?