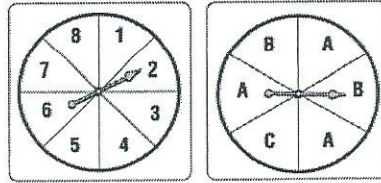


8-4 Practice

Probability of Composite Experiments

The two spinners at the right are spun. Find each probability.

1. $P(4 \text{ and } C)$
2. $P(1 \text{ and } A)$
3. $P(\text{even and } C)$
4. $P(\text{odd and } A)$
5. $P(\text{greater than } 3 \text{ and } B)$
6. $P(\text{less than } 5 \text{ and } B)$



GAMES There are 10 yellow, 6 green, 9 orange, and 5 red cards in a stack of cards turned face down. Once a card is selected, it is not replaced. Find each probability.

7. $P(\text{two yellow cards})$
8. $P(\text{two green cards})$
9. $P(\text{a yellow card and then a green card})$
10. $P(\text{a red card and then an orange card})$
11. $P(\text{two cards that are not orange})$
12. $P(\text{two cards that are neither red nor green})$
13. **OFFICE SUPPLIES** A store sells a box of highlighters that contains 4 yellow, 3 blue, 2 pink, and 1 green highlighter. What is the probability of randomly picking 1 blue and 1 pink highlighter from the box?
14. **BASKETBALL** Angelina makes 70% of her free throws. What is the probability that she will make her next two free throws?

CAR RENTALS For Exercises 15 and 16, use the following information and the information in the table.

At a car rental office, 63% of the customers are men and 37% are women.

Car Requests	
Compact	25%
Full-size	37%
Convertible	10%
SUV	16%
Luxury	12%

15. What is the probability that the next customer will be a woman who requests a convertible?
16. What is the probability that the next customer will be a man who requests either a compact car or luxury car?