

Probability

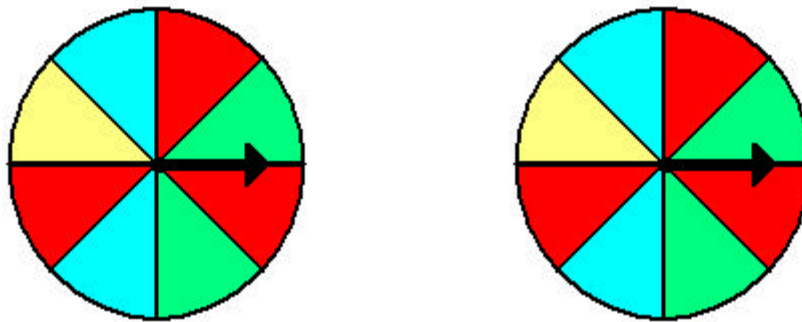
1. Sarah has two quarters and two dice. What is the probability of her flipping both quarters and getting two tails and then rolling an eight with the pair of dice?

- a) $5/24$
- b) $5/144$
- c) $5/72$
- d) $5/36$

2. There are twelve marbles in a canvas bag, 8 blue and 4 red. What is the probability of reaching into the bag and pulling out a blue marble, keeping the blue marble out of the bag, and then pulling out a red marble?

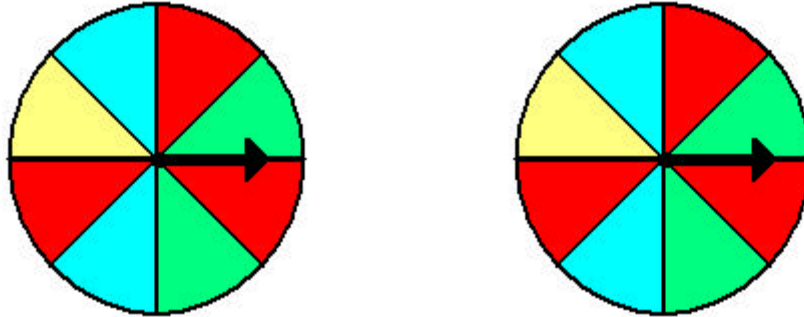
- a) $2/9$
- b) $1/4$
- c) $8/33$
- d) $3/7$

3. What is the probability of spinning both of the disks and them both landing on red?



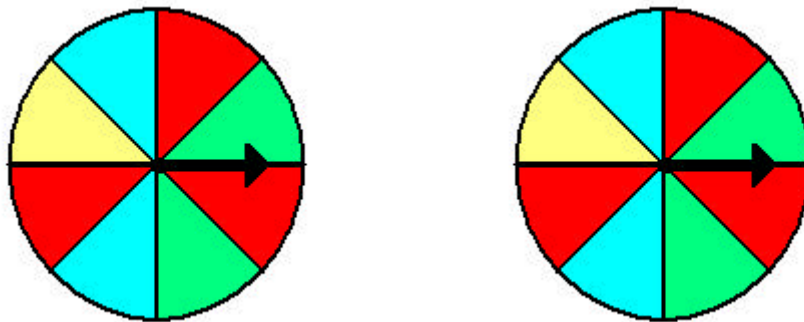
- a) $3/4$
- b) $3/8$
- c) $9/64$
- d) $6/16$

4. What is the probability of spinning both disks and the first landing on blue and the second on yellow?



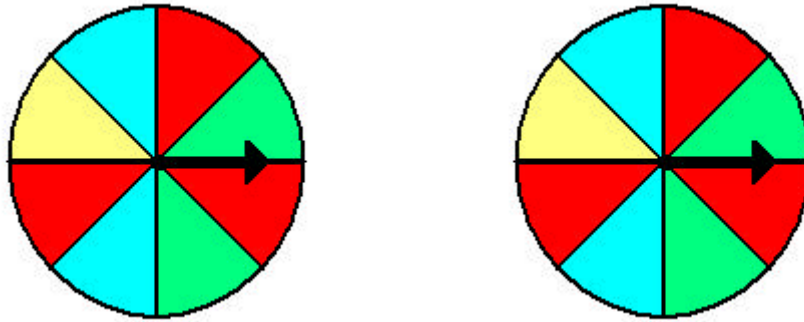
- a) $1/12$
- b) $1/6$
- c) $1/8$
- d) $1/32$

5. What is the probability of spinning both disks and both of them not landing on green?



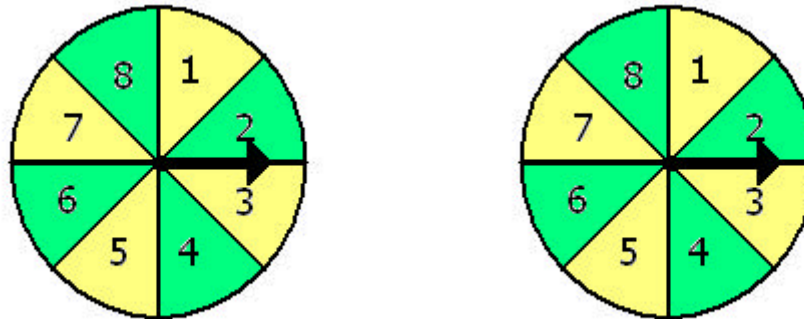
- a) $6/4$
- b) $3/4$
- c) $9/16$
- d) $13/16$

6. What is the probability of spinning both disks and both of them landing on blue?



- a) $1/16$
- b) $1/8$
- c) $1/2$
- d) $1/4$

7. What is the probability of spinning both disks and both of them landing on seven?



- a) $1/8$
- b) $7/8$
- c) $1/64$
- d) $2/64$

8. What is the probability of spinning both disks and the first landing on six and the second landing on an odd number?



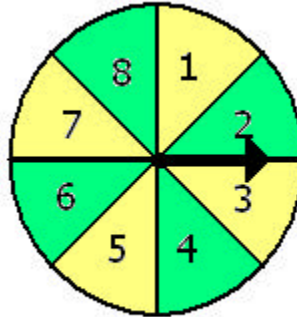
- a) $1/16$
- b) $1/10$
- c) $1/8$
- d) $6/8$

9. What is the probability of spinning both disks and the first landing on 2 or 5 and the second landing on any number other than seven?



- a) $35/64$
- b) $8/12$
- c) $1/16$
- d) $7/32$

10. What is the probability of spinning both disks and the first landing on 1, 3 or 5 and the second landing on any numbers other than 1, 3, or 5?



- a) $1/2$
- b) $8/8$
- c) $15/64$
- d) $1/4$