

Practice**Integration: Probability
Probability and Odds**

Find the probability of each outcome if a die is rolled.

1. a 1
2. a number less than 3
3. an odd number
4. a number greater than 6
5. an even number less than 6
6. a number greater than 0

Find the odds of each outcome if a die is rolled.

7. a multiple of 2
8. a number less than 2
9. a factor of 6
10. a 5
11. not a 1
12. a number greater than 5

A card is selected at random from a standard deck of 52 cards.

13. What is the probability of selecting a red card?
14. What is the probability of selecting an ace?
15. What are the odds of selecting a diamond?
16. What are the odds of not selecting a black 2?

The number of male and female doctors in Camron are listed by age in the table at the right. Use this data to answer the following questions.

17. What is the probability that a doctor chosen is in the 45-54 age group?
18. What is the probability that a doctor chosen is a female?
19. What are the odds that a doctor chosen is a female under 35 years?
20. What are the odds that a doctor chosen is a male between the ages of 35 and 54 years?

Camron Doctors		
Age	Male	Female
Under 35	29	18
35–44	36	8
45–54	19	3
55–64	17	2