

Name: _____

Practice with Probability: Playing Cards

If one card is drawn from a standard 52-card deck...



- 1.) What is the probability of picking a black card? _____
- 2.) What is the probability of picking a diamond? _____
- 3.) What is the probability of picking a queen? _____
- 4.) What is the probability of picking an ace? _____
- 5.) What is the probability of picking either a jack or a 7? _____
- 6.) What is the probability of picking a red card? _____
- 7.) What is the probability of picking an even number black card? _____
- 8.) What is the probability of picking the 9 of diamonds? _____
- 9.) What is the probability of picking a red 5? _____

ANSWER KEY

- 1.) What is the probability of picking a black card? $\frac{1}{2}$
- 2.) What is the probability of picking a diamond? $\frac{1}{4}$
- 3.) What is the probability of picking a queen? $\frac{4}{52}$ or $\frac{1}{13}$
- 4.) What is the probability of picking an ace? $\frac{4}{52}$ or $\frac{1}{13}$
- 5.) What is the probability of picking either a jack or a 7? $\frac{8}{52}$ or $\frac{2}{13}$
- 6.) What is the probability of picking a red card? $\frac{1}{2}$
- 7.) What is the probability of picking an even number black card? $\frac{10}{52}$ or $\frac{5}{26}$
- 8.) What is the probability of picking the 9 of diamonds? $\frac{1}{52}$
- 9.) What is the probability of picking a red 5? $\frac{2}{52}$ or $\frac{1}{26}$