Probability: Cards

Data and Graphing Worksheet

Study the problem and answer the probability questions.

Write your answer as a fraction and simplify if possible.

A card is drawn from a deck of 52 cards.

1. What is the probability of selecting a red card? _____

2. What is the probability of selecting a black card? _____

3. What is the probability of selecting a heart? _____

4. What is the probability of selecting a spade? _____

5. What is the probability of selecting a king? _____

6. What is the probability of selecting either an ace or a jack? _____

7. What is the probability of selecting an even red card? _____

8. What is the probability of selecting either a spade or a diamond card? _____

Answers

A card is drawn from a deck of 52 cards.

What is the probability of selecting a red card?   1/2

What is the probability of selecting a black card?   1/2

What is the probability of selecting a heart?   1/4

What is the probability of selecting a spade?   1/4

What is the probability of selecting a king?   1/13

What is the probability of selecting either an ace or a jack?   2/13

What is the probability of selecting an even red card?   3/13

What is the probability of selecting either a spade or a diamond card?   1/2