



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.



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|--|----------------|
| What is the probability of selecting a red card? | $\frac{1}{2}$ |
| What is the probability of selecting a black card? | $\frac{1}{2}$ |
| What is the probability of selecting a heart? | $\frac{1}{4}$ |
| What is the probability of selecting a spade? | $\frac{1}{4}$ |
| What is the probability of selecting a king? | $\frac{1}{13}$ |
| What is the probability of selecting either an ace or a jack? | $\frac{2}{13}$ |
| What is the probability of selecting an even red card? | $\frac{3}{13}$ |
| What is the probability of selecting either a spade or a diamond card? | $\frac{1}{2}$ |