

Name : _____

Score : _____

Teacher : _____

Date : _____

Probability with a Deck of Cards



These questions are based on a 52 card deck without Jokers.

- 1) Find the probability of drawing a 10 of Clubs on the first draw, replacing it and drawing a black card on the second draw. _____
- 2) Find the probability of drawing a black card. _____
- 3) Find the probability of drawing a Diamond card on the first draw, replacing it and drawing a face card on the second draw. _____
- 4) Find the probability of drawing a black card on the first draw, replacing it and drawing a red card on the second draw. _____
- 5) Find the probability of drawing a face card that is red. _____
- 6) Find the probability of drawing a Diamond 5 through 10 on the first draw, replacing it and drawing a 9 card on the second draw. _____
- 7) Find the probability of drawing a 3 card on the first draw, replacing it and drawing a Diamond card on the second draw. _____
- 8) Find the probability of drawing a face card on the first draw, replacing it and drawing a face card on the second draw. _____
- 9) Find the probability of drawing a Queen card on the first draw, replacing it and drawing a 5 card on the second draw. _____
- 10) Find the probability of drawing a red face card on the first draw, replacing it and drawing a black card on the second draw. _____



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Probability with a Deck of Cards



These questions are based on a 52 card deck without Jokers.

- 1) Find the probability of drawing a 10 of Clubs on the first draw, replacing it and drawing a black card on the second draw. $\frac{1}{104}$
- 2) Find the probability of drawing a black card. $\frac{1}{2}$
- 3) Find the probability of drawing a Diamond card on the first draw, replacing it and drawing a face card on the second draw. $\frac{3}{52}$
- 4) Find the probability of drawing a black card on the first draw, replacing it and drawing a red card on the second draw. $\frac{1}{4}$
- 5) Find the probability of drawing a face card that is red. $\frac{3}{26}$
- 6) Find the probability of drawing a Diamond 5 through 10 on the first draw, replacing it and drawing a 9 card on the second draw. $\frac{3}{338}$
- 7) Find the probability of drawing a 3 card on the first draw, replacing it and drawing a Diamond card on the second draw. $\frac{1}{52}$
- 8) Find the probability of drawing a face card on the first draw, replacing it and drawing a face card on the second draw. $\frac{9}{169}$
- 9) Find the probability of drawing a Queen card on the first draw, replacing it and drawing a 5 card on the second draw. $\frac{1}{169}$
- 10) Find the probability of drawing a red face card on the first draw, replacing it and drawing a black card on the second draw. $\frac{3}{52}$

