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 Spade. _____

2) Find the probability of drawing a Spade 3 through 7 on the first draw, replacing it and drawing a 3 card on the second draw. _____

3) Find the probability of drawing a face card that is a Diamond on the first draw, replacing it and drawing a 10 card on the second draw. _____

4) Find the probability of drawing a red face card on the first draw, replacing it and drawing a 10 card on the second draw. _____

5) Find the probability of drawing a 3 through 5 on the first draw, replacing it and drawing a 10 card on the second draw. _____

6) Find the probability of drawing a 10 of Hearts on the first draw, replacing it and drawing a Heart card on the second draw. _____

7) Find the probability of drawing cards 4 through 8. _____

8) Find the probability of drawing a red 5 through 6 on the first draw, replacing it and drawing a black card on the second draw. _____

9) Find the probability of drawing a 8 card on the first draw, replacing it and drawing a face card on the second draw. _____

10) Find the probability of drawing a Ace of Diamonds. _____

Name : _____ Score : _____

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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 Spade. $\frac{1}{4}$

2) Find the probability of drawing a Spade 3 through 7 on the first draw, replacing it and drawing a 3 card on the second draw. $\frac{5}{676}$

3) Find the probability of drawing a face card that is a Diamond on the first draw, replacing it and drawing a 10 card on the second draw. $\frac{3}{676}$

4) Find the probability of drawing a red face card on the first draw, replacing it and drawing a 10 card on the second draw. $\frac{3}{338}$

5) Find the probability of drawing a 3 through 5 on the first draw, replacing it and drawing a 10 card on the second draw. $\frac{3}{169}$

6) Find the probability of drawing a 10 of Hearts on the first draw, replacing it and drawing a Heart card on the second draw. $\frac{1}{208}$

7) Find the probability of drawing cards 4 through 8. $\frac{5}{13}$

8) Find the probability of drawing a red 5 through 6 on the first draw, replacing it and drawing a black card on the second draw. $\frac{1}{26}$

9) Find the probability of drawing a 8 card on the first draw, replacing it and drawing a face card on the second draw. $\frac{3}{169}$

10) Find the probability of drawing a Ace of Diamonds. $\frac{1}{52}$