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 black 7 through 9 on the first draw, replacing it and drawing a Spade card on the second draw. _____

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

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

4) Find the probability of drawing a Heart. _____

5) Find the probability of drawing a red card. _____

6) Find the probability of drawing a black face card on the first draw, replacing it and drawing a Club card on the second draw. _____

7) Find the probability of drawing a face card that is a Heart on the first draw, replacing it and drawing a black card on the second draw. _____

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

9) Find the probability of drawing a Diamond 4 through 8. _____

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

Probability with a Deck of Cards

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

1) Find the probability of drawing a black 7 through 9 on the first draw, replacing it and drawing a Spade card on the second draw.

$\dfrac{3}{104}$

2) Find the probability of drawing a black card on the first draw, replacing it and drawing a red card on the second draw.

$\dfrac{1}{4}$

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

$\dfrac{1}{52}$

4) Find the probability of drawing a Heart.

$\dfrac{1}{4}$

5) Find the probability of drawing a red card.

$\dfrac{1}{2}$

6) Find the probability of drawing a black face card on the first draw, replacing it and drawing a Club card on the second draw.

$\dfrac{3}{104}$

7) Find the probability of drawing a face card that is a Heart on the first draw, replacing it and drawing a black card on the second draw.

$\dfrac{3}{104}$

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

$\dfrac{3}{169}$

9) Find the probability of drawing a Diamond 4 through 8.

$\dfrac{5}{52}$

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

$\dfrac{3}{52}$