Name:	Period:	_ Date:
Theoretical and Experimental Proba	ability Exit Quiz	
1. What is the probability of drawing a king from a 52 card deck o	f cards?	
2. What is the probability of getting a number greater than 3 when	n rolling a die?	
	1. 6. 12	
3. What is a probability of drawing a heart card from a 52 card dec	:k of card?	
4. Inside a box there are 5 red marbles, 6 green marbles and 4 blumarble?	e marbles. What is the	probability of getting a blue
5. What is the probability of drawing two spade from a 52 card de	ck of cards?	
or analysis the probability of araming the space from a 52 cara ac		

|--|

Theoretical and Experimental Probability Exit Quiz

Answer:

Solve the following problems Permutation and Combination.

1. What is the probability of drawing a king from a 52 card deck of card? P(E) = 4/52 or 1/13

2. What is the probability of getting a number greater than 3 when rolling a die? P(E) = 3/6 or 1/2

3. What is a probability of drawing a heart from a 52 card deck of card? P(E) = 13/52 or 1/4

- 4. Inside a box there are 5 red marbles, 6 green marbles and 4 blue marbles. What is the probability of getting a blue marble? n(S) = 15; n(E) = 4 then P(E) = 4/15
- 5. What is the probability of drawing two spades from a 52 card deck of cards?

 $n(S) = {}_{52}C_2 = 1326$; $n(E) = {}_{13}C_2 = 78$, then P(E) = 78/1326 or 1/17