

Name _____ Date _____

Quiz: Mutually Exclusive Events, Independent Events, and Complement of an Event

1. Choosing a cup of tea and choosing a soft drink. Are these two events dependent or independent?
2. 2 coins are tossed and a six-sided die is rolled. What is complement of getting 2 tails and an even number on a die?
3. What is the complement of selecting the letter G from the word GEOGRAPHY?
4. A spinner has the numbers 1 to 10. Spinning number 4 and then spinning number 7 on the same spinner. Are these events mutually exclusive?
5. Drawing a ten and drawing a jack from a standard deck of cards. Are these events mutually exclusive?
6. There are 4 cats, 8 rabbits, and 1 dog in a pet store. First a dog and then a cat are selected at random. Are the two events independent?
7. If a number is selected at random from a set of 2-digit numbers, then what is the complement that the number is multiple of 10?
8. A bottle contains 15 marbles: 6 are red and 9 are blue. What is the probability for not picking a red marble?
9. Drawing a spade and drawing a king from a standard deck of cards. Are these events dependent or independent?
10. What is the probability that a randomly selected 1 to 50 number is divisible by 2?

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%