Name _____ Date _____

# Quiz: Single and Compound Events

**1.** Two cards are chosen at random from a deck. What is the probability of getting an ace and a king without replacement?

**2.** A doctor has 7 patients to visit. How many different ways can he make his rounds if he checks each patient once?

**3.** 4 coins are tossed and a six-sided dice is rolled. What is probability of getting 4 heads and an even number on a die?

**4.** The digits 1, 2, 4, and 7 are to be used in a 3-digit ID card. How many different cards are possible if repetitions are not permitted?

**5.** A student can select one of 3 different math books, one of 5 different science books and one of 2 different history books. In how many different ways can a student select a book of history, a book of geography and a book of math?

**6.** If two letters are to be selected from all 26 letters. What is the probability of choosing both vowels?

**7.** How many different 4-letter combinations can be formed from the word GEOGRAPHY if repetitions are not permitted?

**8.** A bottle contains 13 marbles: 8 are white and 5 are blue. What is the probability for picking a white marble?

**9.** What is the probability that a randomly selected 11 to 21 number is divisible by 3?

**10.** A coin is tossed 5 times. What is the total number of possible outcomes?

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