

Quiz: Counting Principle

- 1 A coin is tossed 2 times. What is the number of possible outcomes?
- 2 A nurse has 6 patients to visit. How many different ways can she make her rounds if she checks each patient once?
- 3 4 dice are rolled. What is the total number of all possible outcomes?
- 4 The digits 1, 3, 5, 7, and 9 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 2 different history books, one of 3 different geography books and one of 5 different math books. In how many different ways can a student select a book of history, a book of geography and a book of math?
- 6 A restaurant has 6 sodas that come in 2 different cup sizes. How many different drinks can you order?
- 7 3 coins are tossed and 2 dice are rolled. What is the total number of all possible outcomes?
- 8 If you can get 12 kinds of pens in 20 different ink colors, how many different pens are available?
- 9 There are 5 different roads from city A to city B and 7 different roads from city B to city C. In how many ways can someone go from city A to city C passing by city B?
- 10 How many different arrangements are there for the digits 3782?

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%