

Quiz: Permutations and Combinations

- 1 Determine whether selecting ten students to attend a conference in Paris, D.C requires permutation or a combination:
- 2 How many different 4 digit vehicle number plates can be made if the first digit must not be 6 and no digits may be repeated?
- 3 Stephanie is on a shopping spree. She buys eight tops, ten shorts and 4 pairs of sandals. How many different outfits consisting of a top, shorts and sandals can she create from her new purchases?
- 4 Evaluate ${}_8P_4$
- 5 A teacher has multiple choice quiz for 67 students. Each student will have same questions, but in a different order. What is the least number of questions the quiz must contain?
- 6 A coach must choose two starters from a team of 9 players. How many different ways can the coach choose the starters?
- 7 Is ${}_5C_3$ equal to
- 8 How many different arrangements can be made using two of the letters of the word KEYBOARD, if KEY is remain together in all words?360
- 9 Determine whether selecting four students to attend a conference in England, D.C requires permutation or a combination:
- 10 In how many ways can the letters in INTERNET be arranged? Suppose the 2 T's must be separated?

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%