Math Worksheets

Combinations and Permutations



A Find the answer for each word problems.

- 9) Susan is baking cookies. She uses sugar, butter, Vanilla, eggs and flour. How many different orders of ingredients can she try? ______
- 10) Albert is planning for his vacation. He wants to go to museum, watch a movie, go to the beach, play the game and play football. How many ways of ordering are there for him? ______
- 11) How many 4-digit numbers can be named using the digits 3, 4, 5, and 6 without repetition?
- 12) In how many ways can 5 boys be arranged in a straight line?
- 13) In how many ways can 6 athletes be arranged in a straight line?
- 14) A professor is going to arrange her 7 students in a straight line. In how many ways can she do this? _____
- 15) How many code symbols can be formed with the letters for the word GAMES?
- 16) In how many ways a team of 7 basketball players can choose a captain and cocaptain?

Answers of Worksheets

Combinations and Permutations

1) 720	7) 12	13) 720
2) 240	8) 4,920	14) 5,040
3) 72	9) 120	15) 120
4) 126	10) 120	16) 42
5) 5,040	11) 24	
6) 24	12) 120	