

- 1) When a die is rolled twice, there are _____ possible outcomes. 1) _____
A) 18 B) 720 C) 6 D) 36
- 2) A furniture manufacturer offers bookcases in 4 different sizes and 4 different colors. If every color is available in every size, then the total number of different bookcases is _____. 2) _____
A) 16 B) 8 C) 32 D) 4
- 3) A business has seven locations to choose from and wishes to rank only the top three locations. How many different ways can this be done? 3) _____
A) 5,040 B) 420 C) 210 D) 840
- 4) How many different ways can a teacher select 3 students from a class of 15 students to each perform a different classroom task? 4) _____
A) 455 B) 45 C) 1320 D) 2730
- 5) How many different ways can a teacher select 4 students from a class of 17 students to each perform the same classroom task? 5) _____
A) 57,120 B) 68 C) 17,160 D) 2380
- 6) If the letters A, B, C, D, E, and F are to be used in a five-letter code, how many different codes are possible if repetitions are *not* permitted? 6) _____
A) 7,776 B) 1,296 C) 625 D) 720
- 7) The Foreign Language Club is showing a movie marathon of subtitled movies. How many ways can they choose 5 from the 13 available? 7) _____
A) 154,440 B) 120 C) 1287 D) 1560
- 8) A researcher wishes her patients to try a new medicine for depression. How many different ways can she select 5 patients from 45 patients? 8) _____
A) 120 B) 5400 C) 146,611,080 D) 1,221,759
- 9) How many ways can a student select five questions from an exam containing 12 questions, if one of the five must be the last question? 9) _____
A) 7920 B) 330 C) 95,040 D) 40,320
- 10) How many different ways can four people: Andy, Betty, Cindy, and Doug, sit in a row at the opera if Andy and Betty must sit together? 10) _____
A) 12 B) 24 C) 6 D) 18

Answer Key

Testname: PRACTICE11

- 1) D
- 2) A
- 3) C
- 4) D
- 5) D
- 6) D
- 7) C
- 8) D
- 9) B
- 10) A
- 11) A
- 12) A