

**Section 6-1**

25] 120 variations    26] 30 sandwiches    28] 2520 codes, 16,807 codes, 9072 codes  
30] 720 combos; 1000 combos; 810 combos    31] 17,576,000 plates; 11,232,000 plates  
32] 100,000 zip codes; 30,240 zip codes    35] 14 people    36] 6 students  
37] 14 people    38] 5 players

**Section 6-2**

22] 254,251,200 finishes    23] 35 ways; 210 ways    28] 792 hands; 56 hands  
30] 22,308 hands    31] 246,960 ways    32] 8,482,320 ways  
35] 20 ways; 60 ways; 120 ways; 120 ways    36] 28,800 seating arrangements  
37] 6,720 teams; 56 teams; 30 teams  
38] 126 committees; 21 committees; 70 committees