1. The frozen food section in your supermarket offers 15 different TV dinners. You want to pick seven of them for the coming work week. How many different possibilities are there, if you do not wish to eat the same dinner twice during the week?

2. A 6/45 lottery requires choosing six of the numbers 1 through 35. How many different lottery tickets can you choose?

3. The local youth soccer league has 11 teams. How many end-of-the-season rankings of first, second, and third place are possible?