



Math Olympiad and Problem Solving Program

F120 - Intermediate Problem Solving

Problem Set 6.2 - Counting

Name:

Date:

1.
2. We want to find how many even numbers there are from 77 to 99. The distance is small enough, so we can just count: 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98. There are numbers.
3.
4.
5.
6.
7.
8.
9. Consider the positions of the people in line. There are 25 people, then Angela, then 31 people, then Anita. Count the people in line, including Angela and Anita: $25 + 1 + 31 + 1 = 58$. Therefore, Anita is in line,
10.