

5. How many ways can a group of 10 people have their birthdays on different days of the year? Assume that there are only 365 days in a year.

6. How many ways can a group of 10 people have at least two people with their birthdays on the same day of the year? Assume that there are only 365 days in a year.

7. How many different four digit numbers are odd and greater than 6000?

8. How many different four digit numbers are odd and greater than 6010?

9. How many four digit numbers can be formed if
 - (a) There are no restrictions? (Zero is not the first digit.)

 - (b) Zero cannot be the first digit and no digit can be repeated?

 - (c) Zero cannot be the first digit, no digit can be repeated, and each number formed must be even?

