

How many different ways can the letters of each word be arranged?

1. FLOWER

2. ALGEBRA

3. PARALLEL

4. CANDIDATE

5. ARREARS

6. MONOPOLY

7. QUADRATIC

8. BASKETBALL

9. CLOCKMAKER

10. (a) In certain states, license plates consist of two letters followed by a four digit number. How many possible license plates can be made?

(b) If a letter or number can not be used more than once?

11. From a pool of 12 candidates the office will select a vice-president, secretary, and treasurer. In how many ways can the offices be filled?

12. In how many ways can three girls and two boys walk through a doorway single file if girls walk before boys?