

Name _____

Homeroom _____

Solve each problem.

1. **BASKETBALL** In how many ways can a coach select 5 players from a team of 10 players?
2. **BOOKS** In how many ways can 3 books be selected from a shelf of 25 books?
3. **CAFETERIA** In how many ways can you choose 2 side dishes from 15 items?
4. **CHORES** Of 8 household chores, in how many ways can you do three-fourths of them? -
5. **ELDERLY** Latanya volunteers to bake and deliver pastries to elderly people in her neighborhood. In how many different ways can Latanya deliver to 2 of the 6 elderly people in her neighborhood?
6. **DELI** A deli makes potato, macaroni, three bean, Caesar, 7-layer, and Greek salads. The deli randomly makes only four salads each day. What is the probability that the four salads made one day are 7-layer, macaroni, Greek, and potato?