Date

## Find the number of possibilities in each scenario.

- 1) There are 30 applicants for two jobs: computer programmer and software tester.
- A group of 30 people are going to run a race. The top three runners earn gold, silver, and bronze medals.

3) The batting order for ten players on a 12 person team.

4) There are 10 applicants for two Software Tester positions.

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- 5) The student body of 70 students wants to elect a president, vice president, and secretary.
- 6) There are 230 politicians at a meeting. They each give a Valentine's Day card to everyone else. How many cards were given?

- 7) 5 out of 12 students will ride in a car instead of a van
- 8) A team of 6 basketball players needs to choose a captain and co-captain.

## Answers to

1) 870	2) 24,360	3) 239,500,800	4) 45
5) 328,440	6) 52,670	7) 792	8) 30

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