

Name _____

Problem Solving: Use Objects and Solve a Simpler Problem

Use objects to help you solve a simpler problem. Use the solution to help you solve the original problem.

1. Six people can be seated at a table. If two tables are put together, 10 people can be seated. How many tables are needed to make a long table that will seat 22 people?

2. A large cube has 5 layers, each with 5 rows of 5 small cubes. How many small cubes will the larger cube contain?

3. There are 5 kinds of fish that Jerome feeds: guppies, zebra danios, bettas, platys, and neon tetras. Use the following clues to find the order in which Jerome feeds them.

- Jerome feeds the guppies third.
- Jerome does not feed the bettas right before or right after the guppies.
- Jerome feeds the zebra danios last.
- Jerome feeds the platys after the bettas.

- A** Guppies, zebra danios, bettas, platys, and neon tetras
- B** Bettas, platys, guppies, neon tetras, zebra danios
- C** Neon tetras, zebra danios, guppies, platys, bettas
- D** Bettas, guppies, platys, neon tetras, zebra danios

4. Suppose Ann is placing bowling pins in the following manner: 1 pin in the first row, 2 pins in the second row, 3 pins in the third row, and so on. How many pins will she use if she has 5 rows in her placement? Explain.
