

Practice 3-9

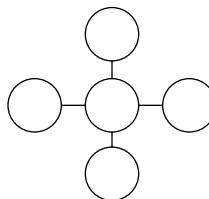
Problem Solving: Try, Check, and Revise

Solve each problem by trying, checking, and revising.

1. A deli sells ham sandwiches for \$2 and roast beef sandwiches for \$3. A group organizing a family reunion placed orders for 85 sandwiches. The bill came to \$218 before tax. How many ham sandwiches were ordered?

2. Tickets for a community dinner cost \$4 for adults and \$3 for children. A total of 390 tickets was sold, earning \$1,380. How many of each type of ticket were sold?

3. Place the digits 3, 4, 7, 9, and 12 in the circles at the right so that the product of these numbers is the same left to right and up and down. What is the product?



Choose a strategy to solve each problem.

4. Two numbers have a sum of 42 and a product of 432. What are the two numbers?

5. Two numbers have a sum of 70 and a product of 1,189. What are the two numbers?

6. Louise, Bill, and Fran each had a different piece of fruit packed in their lunches. An apple, an orange, and a banana were packed. Louise won't eat apples. Bill is allergic to oranges. Fran eats only bananas. What piece of fruit did each person have?

7. Paco joins a baseball card club. He brings 2 cards to the first meeting, 3 cards to the second meeting, 5 cards to the third meeting, and 8 cards to the fourth meeting. If he continues this pattern, how many cards will he bring to the fifth meeting?

8. The floor plan of the first floor of a museum is shown at the right. If you enter at A, is it possible to go through each doorway only one time, see each room, and exit at B? If this can be done, show how. You may enter each room more than one time.

