1-5 Practice

A Plan for Problem Solving

Solve each problem. Use any strategy.

1. Tara read 19 science fiction and mystery novels in 6 months. She read 3 more science fiction novels than mystery novels. How many novels of each type did she read?

2. Gasoline costs $1.21 per gallon, tax included. Jaime paid $10.89 for the gasoline he put in his car. How many gallons of gasoline did he buy?

3. A coin-operated telephone at a mall requires 40 cents for a local call. It takes quarters, dimes, and nickels and does not give change. How many combinations of coins could be used to make a local call?

4. Together, Jason and Tyler did 147 sit-ups for the physical fitness test in gym. Jason did 11 fewer sit-ups than Tyler. How many sit-ups did each person do?

5. The perimeter P of a square can be found by using the formula $P = 4s$, where s is the length of a side of the square. What is the perimeter of a square with sides of length 19 cm?

6. Mrs. Hernandez wants to put a picture of each of her 3 grandchildren on a shelf above her desk. In how many ways can she line up the pictures?

7. Leona is 12 years old, and her sister Vicki is 2 years old. How old will each of them be when Leona is twice as old as Vicki?

8. Gunther paid for 6 CDs at a special 2-for-1 sale. The CDs that he got at the sale brought the total number of CDs in his collection to 42. How many CDs did he have before the sale?

9. Phil, Ron, and Felix live along a straight country road. Phil lives 3 miles from Ron and 4 miles from Felix. Felix lives closer to Ron than he does to Phil. How far from Ron does Felix live?

10. Gere has 3 times as many shirts with print patterns as he does shirts in solid colors. He has a total of 16 shirts. How many shirts in print patterns does he have?

Algebra: Concepts and Applications