

Write and solve an equation to solve the following problems. Write your answer in a **complete sentence**. Refer to the 5-D process if necessary.

1. Courtney needs to separate \$385 into three parts to pay some bills. The second part must be five times as large as the first part. The third part must be \$35 more than the first part. How much money must be in each part?
2. At the annual dog show, Devin noticed that there were three more Scotties than Schnauzers. He also realized that the number of Wirehaired Terriers was five less than twice the number of Schnauzers. If there were 78 dogs in all (counting Schnauzers, Scotties, and Wirehaired Terriers), how many Schnauzers were there?
3. The length of a rectangle is three centimeters more than twice the width. The perimeter is 78 centimeters. What is the length and width of the rectangle?
4. Roel is thinking of three numbers. The greatest number is twice as large as the least number. The middle number is three more than the least number. The sum of the three numbers is 75. Find the numbers.
5. Kaprina is thinking of a number. When she doubles the number and then subtracts the result from 5, she gets negative one. What is her number?

6. Nerissa and Nicholle are shooting marbles. Nerissa has five more marbles than Nicholle, and they have a total of 73 marbles. How many marbles does each of them have?
  
  
  
  
  
  
  
  
  
  
7. In the last election, Anna received twice as many votes as Jake. Jennifer received 15,000 fewer votes than Jake. If a total of 109,000 votes were cast, how many votes did Anna receive?
  
  
  
  
  
  
  
  
  
  
8. Jonah is thinking of three numbers. The greatest number is three times as large as the least number. The middle number is ten more than the least number. The sum of the three numbers is 60. What are the numbers?
  
  
  
  
  
  
  
  
  
  
9. Andrew is buying three different colors of tiles for his kitchen floor. He is buying 50 more purple tiles than black tiles, and five times as many yellow tiles as black tiles. If Andrew buys 400 tiles altogether, how many tiles of each color does he buy?
  
  
  
  
  
  
  
  
  
  
10. Matt and Remi are playing basketball. Matt makes 6 more points than Remi. If they make 36 points altogether, how many points does each person make?