

Equations word problems

1. The sum of two numbers is 25. One of the numbers exceeds the other by 9. Find the numbers.
2. The difference between the two numbers is 48. The ratio of the two numbers is 7:3. What are the two numbers?
3. The length of a rectangle is twice its breadth. If the perimeter is 72 metre, find the length and breadth of the rectangle.
4. Aaron is 5 years younger than Ron. Four years later, Ron will be twice as old as Aaron. Find their present ages.
5. Robert's father is 4 times as old as Robert. After 5 years, father will be three times as old as Robert. Find their present ages.
6. The difference in the measures of two complementary angles is 12° . Find the measure of the angles.
7. The cost of two tables and three chairs is \$705. If the table costs \$40 more than the chair, find the cost of the table and the chair.
8. There are two numbers whose sum is 72. One number is twice the other. Find the numbers.
9. Abigail is 6 years older than Jonathan. Six years ago she was twice as old as he. How old is each now?
10. A plant is 1'3 m tall and grows 0'2 m a week. How many weeks will it take for the plant to be 2'3 m tall?
11. When 6 is added to four times a number, the result is 50. Find the number.