

Name _____

Algebra Word Problems



1. There are two numbers. The first number is 5 less than twice the second number. Their sum is 27. What are the two numbers?
2. In a classroom, the ratio of boys to girls is 3:5. If there are 24 students in total, how many boys are there?
3. A rectangular garden has a length that is 6 meters more than its width. If the perimeter of the garden is 64 meters, what are the dimensions of the garden?
4. A box contains a mix of red, blue, and green marbles. The ratio of red to blue marbles is 3:5, and the ratio of blue to green marbles is 2:7. If there are 60 marbles in total, how many red marbles are there?
5. A company sells two types of products, Product A and Product B. Product A sells for \$10 each, and Product B sells for \$8 each. If the company sells 50 products in total and earns \$450, how many of each product were sold?
6. The sum of three consecutive integers is 72. What are the three integers?
7. A triangle has one angle that is twice the measure of the smallest angle, and the third angle is three times the measure of the smallest angle. If the sum of the measures of the angles is 180 degrees, what are the measures of the angles?
8. A rectangle has a length that is 3 times its width. If the perimeter of the rectangle is 48 meters, what are the dimensions of the rectangle?
9. In a bag of candies, the ratio of chocolate candies to fruity candies is 2:5. If there are 42 fruity candies, how many chocolate candies are there?
10. The sum of two numbers is 35, and their difference is 9. What are the two numbers?

