

Name \_\_\_\_\_

### Algebra Word Problems 3

1. A number plus 5 is equal to 3 times the same number minus 7. What is the number?
2. If you double a number and then subtract 12, you get 30. What is the number?
3. The sum of two consecutive even numbers is 52. What are the two numbers?
4. A rectangle's length is 4 times its width, and its perimeter is 60 meters. What are the dimensions of the rectangle?
5. A father is three times as old as his son, and their combined ages are 48. How old is the son?
6. A train travels at a speed of 50 miles per hour. If it travels for 2 hours, how far does it go?
7. The sum of three consecutive odd numbers is 57. What are the three numbers?
8. A group of friends wants to share a pizza. If they each want to eat 3 slices, and there are  $x$  friends, how many friends are there if there are 24 slices in total?
9. The difference between twice a number and 5 is equal to the number itself. What is the number?
10. A store offers a 20% discount on a \$120 item. What is the discounted price of the item?

