5. Tom rides the school bus part way and walks the remainder. He walks 3 minutes longer than he rides. If it takes Tom 17 minutes to arrive at school, how long does he spend on the bus?

6. Water is a compound made up of 8 parts by weight of oxygen and 1 part by weight of hydrogen. How many grams of hydrogen are there in 225 grams of water?

7. Mr. Brown will need 186 ft. of fence to enclose his rectangular yard. If the length of his yard is 9 feet more than the width, what are the dimensions of his yard?

8. In solving a maze problem, John took 13 fewer moves than twice the number of moves Sam took. If together they made 23 moves, who made more moves, and by how many moves did they differ?

9. The perimeter of an isosceles triangle is 28 centimeters. Five times the length of the base is 4 centimeters more than 7 times the length of each of the congruent sides. How long is each side of the triangle?

10. The length of one rectangle is 3 feet more than the length of another rectangle. The width of the first rectangle is 5 feet. The width of the second is 2 feet. If the area of the first rectangle is 120 square feet greater than the area of the second, find the length of each rectangle.

11. George Washington was born 11 years before Thomas Jefferson. In 1770 Washington's age was 3 years more than 7 times the age of Jefferson in 1748. How old was each man in 1750?

12. Find four consecutive integers such that four times the second diminished by twice the fourth is 10.

13. Four times the smaller of two consecutive even integers is less than three times the larger. What are the largest possible values for the integers?

14. Find four consecutive multiples of 5 such that twice the sum of the two greatest integers exceeds three times the least by 15.

15. Find all sets of three consecutive multiples of 4 whose sum is between -84 and -36.

16. One angle of a triangle measures 14° more than a second angle, and the third angle measures 32° more than the measure of the complement of the second angle. Find the measure of each angle in the triangle.