

Date :

Name :

Grade :



Systems of Equations Word Problems

26. Mr. Green wants to fence a rectangular play area. He has 60 feet of fencing. He wants the length to be twice the width. What are the dimensions of the largest play area he can fence?

27. The sum of the perimeters of two squares is 100 cm. The side length of the larger square is 7 cm more than the side length of the smaller square. Find the side lengths of the two squares.

28. The sum of two numbers is 45, and their difference is 11. Find the two numbers.

29. The sum of two numbers is 32. One number is three times the other number. Find the numbers.

30. The sum of the digits of a two-digit number is 11. If the digits are reversed, the new number is 27 less than the original number. Find the original number.