

Date :

Name :

Grade :



Systems of Equations Word Problems

41. In a basketball game, a team scored 42 points from a combination of 2-point shots and 3-point shots. If they made a total of 18 shots, how many were 2-pointers and how many were 3-pointers?

42. Phone Plan X costs \$30 per month plus \$0.05 per text message. Phone Plan Y costs \$20 per month plus \$0.10 per text message. For how many text messages will the monthly cost of both plans be the same? What is that cost?

43. The library has a section with 120 books, consisting of fiction and non-fiction. The number of fiction books is twice the number of non-fiction books. How many of each type are there?

44. A rectangular garden is to be planted with roses and tulips. The area for roses is x square feet and for tulips is y square feet. The total area is 100 square feet. The area for roses is 40 square feet larger than the area for tulips. Find the area for each.

45. Carlos and Sofia volunteered a total of 30 hours for a charity drive. Carlos volunteered 6 hours more than Sofia. How many hours did each volunteer?