

Date :

Name :

Grade :



Systems of Equations Word Problems

11. A host is making a punch by mixing orange juice (costing \$3 per liter) and cranberry juice (costing \$4 per liter). She wants to make 10 liters of punch that costs \$3.30 per liter. How many liters of each juice should she use?

12. To make a special trail mix, nuts costing \$7 per kg are mixed with dried fruit costing \$4 per kg. How many kgs of each are needed to make 5 kg of trail mix that costs \$5.20 per kg?

13. A bakery makes batches of cookies and cupcakes. A batch of cookies uses 2 cups of flour, and a batch of cupcakes uses 3 cups of flour. The bakery used 70 cups of flour to make a total of 30 batches. How many batches of cookies and cupcakes were made?

14. For a company lunch, 50 meals were ordered. Vegetarian meals cost \$10 each and non-vegetarian meals cost \$14 each. The total cost for the meals was \$620. How many vegetarian and non-vegetarian meals were ordered?

15. A gift basket contains apples and pears. Apples cost \$0.50 each and pears cost \$0.75 each. The basket has 12 pieces of fruit and costs \$7.00. How many apples and how many pears are in the basket?