

Problem Solving

Directions: Solve each problem. Show your work in the space provided.

1.) Sarah went to the grocery store and bought 3 pounds of apples for \$2.25, 2 pounds of bananas for \$1.50, and 1 pound of grapes for \$3. How much did she spend in total?

2.) Emma wants to bake cookies for her friends. The recipe requires 2 cups of flour, 1 cup of sugar, and 0.5 cups of chocolate chips. If she wants to make 3 batches of cookies, how many cups of chocolate chips does she need?

3.) The school is planning a field trip to the zoo. The cost per student is \$15, and there is a \$100 fee for the bus rental. If 30 students and 3 teachers go on the trip, how much money will the school need to pay in total?

4.) At the book fair, each paperback book costs \$5, and each hardcover book costs \$8. If Rachel bought 3 paperback books and 2 hardcover books, how much money did she spend?

5.) Tom has a garden with a length of 8 feet and a width of 6 feet. He wants to plant flowers in half of the garden and vegetables in the other half. What is the total area of the garden, and how much area will be used for planting vegetables?

6.) The animal shelter has 12 dogs, 8 cats, and 6 rabbits available for adoption. If 25% of the animals are adopted in one week, how many animals are still available for adoption?

7.) Jason saved \$20 each week for 10 weeks. He spent \$15 on snacks every two weeks. How much money did he have left after 10 weeks?

8.) The original recipe for pancakes serves 4 people and requires 2 cups of flour. If Sarah wants to double the recipe to serve 8 people, how many cups of flour does she need?

9.) Alex drove 240 miles in 4 hours. If he continues driving at the same speed, how many miles will he travel in 6 hours?

10.) The average rainfall in a city is 15 inches per year. If one inch of rainfall equals 10,000 gallons of water, how many gallons of water fall on the city in one year?

