

Proportion Practice: Recipe Ingredients

Problem Solving Activities

1. A recipe for 4 people uses 2 cups of flour. How many cups of flour are needed for 10 people?
2. If a fruit salad recipe needs 3 apples for 6 servings, how many apples are needed for 18 servings?
3. A pancake recipe calls for 250 ml of milk to make 5 pancakes. How much milk is needed to make 12 pancakes?
4. To make 8 sandwiches, you need 16 slices of bread. How many sandwiches can you make with 40 slices of bread?
5. If you need 75 grams of sugar to bake 15 biscuits, how much sugar is needed for 45 biscuits?
6. A soup recipe for 3 people requires 1.5 litres of water. How much water do you need for 9 people?
7. A cake recipe uses 4 eggs to make 2 cakes. How many eggs are needed to make 5 cakes?
8. To make 24 cookies, you need 180 grams of butter. How much butter is required for 8 cookies?
9. A smoothie recipe uses 2 bananas to make 500 ml. How many bananas are needed to make 1.5 litres?
10. If you need 120 grams of cheese to make 4 pizzas, how much cheese is needed for 10 pizzas?

Maths with Melissa

Answer Key

1. 5 cups of flour (2 cups for 4 people, so 0.5 cups per person; $0.5 \times 10 = 5$)
2. 9 apples (3 apples for 6 servings, so 0.5 apples per serving; $0.5 \times 18 = 9$)
3. 600 ml of milk (250 ml for 5 pancakes, so 50 ml per pancake; $50 \times 12 = 600$)
4. 20 sandwiches (16 slices for 8 sandwiches, so 2 slices per sandwich; $40 \div 2 = 20$)
5. 225 grams of sugar (75 grams for 15 biscuits, so 5 grams per biscuit; $5 \times 45 = 225$)
6. 4.5 litres of water (1.5 litres for 3 people, so 0.5 litres per person; $0.5 \times 9 = 4.5$)
7. 10 eggs (4 eggs for 2 cakes, so 2 eggs per cake; $2 \times 5 = 10$)
8. 60 grams of butter (180 grams for 24 cookies, so 7.5 grams per cookie; $7.5 \times 8 = 60$)
9. 6 bananas (2 bananas for 500 ml, so 0.004 bananas per ml; 1.5 litres = 1500 ml; $(2 \div 500) \times 1500 = 6$)
10. 300 grams of cheese (120 grams for 4 pizzas, so 30 grams per pizza; $30 \times 10 = 300$)