

Proportion Practice: Recipe Ingredients

Solve the following problems about proportions and recipe ingredients. Show your working for each question.

1. A recipe for 8 pancakes requires 240 ml of milk. How much milk is needed to make 20 pancakes?
2. A cake recipe calls for 300 g of flour to make 12 servings. If you want to make 18 servings, how much flour will you need?
3. If 5 eggs are needed to bake 2 loaves of bread, how many eggs are needed to bake 7 loaves?
4. A soup recipe for 4 people uses 1.2 litres of stock. How much stock is required for 10 people?
5. A salad dressing recipe uses 3 tablespoons of olive oil for every 2 tablespoons of vinegar. If you want to make a batch with 12 tablespoons of olive oil, how many tablespoons of vinegar do you need?
6. A smoothie recipe for 2 people uses 180 g of strawberries. How many grams of strawberries are needed for 7 people?
7. A batch of biscuits requires 200 g of sugar for 16 biscuits. If you want to make 40 biscuits, how much sugar will you use?
8. A pizza dough recipe uses 500 g of flour to make 4 pizzas. How much flour is needed for 9 pizzas?
9. If a pasta recipe requires 250 g of pasta for 3 people, how much pasta is needed for 8 people?
10. A family recipe uses 2 litres of water for 5 servings of soup. How much water is needed for 13 servings?

Answer Key

1. 600 ml of milk
2. 450 g of flour
3. 17.5 eggs (or 18 eggs if rounding up, depending on context)
4. 3 litres of stock
5. 8 tablespoons of vinegar
6. 630 g of strawberries
7. 500 g of sugar
8. 1125 g of flour
9. 666.67 g (or approximately 667 g) of pasta
10. 5.2 litres of water