

Valentine's Day Word Problems (F)

Name: _____

Date: _____

Solve each problem in the space provided.

11. Alex was baking heart shaped cakes for the Valentine's Day bake sale. Each cake required 1 cup of sugar, $\frac{1}{2}$ a cup of butter, 2 eggs, 2 teaspoons of vanilla, 1.5 cups of flour, $1\frac{3}{4}$ teaspoons baking powder and $\frac{1}{2}$ a cup of milk. How much of each ingredient would Alex require to make 15 cakes?



12. Piper refused to eat sugar, so she used her Valentine's Day money to help the food bank instead. Each year, she donated cash equivalent to how much she figured she would have spent on Valentine's Day to help the food bank. She recorded the following donations in the past 12 years: \$32, \$32, \$34, \$36, \$37, \$28, \$38, \$50, \$52, \$50, \$25, and \$30. What was her average donation in the past 12 years? What was her median donation? What was the most common donation (the mode)?



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Valentine's Day Word Problems (F) Answers

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Date: _____

Solve each problem in the space provided.

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Sugar: $1 \times 15 = 15$ cups

Butter: $\frac{1}{2} \times 15 = \frac{15}{2} = 7\frac{1}{2}$ cups

Eggs: $2 \times 15 = 30$ eggs (or $2\frac{1}{2}$ dozen)

Vanilla: $2 \times 15 = 30$ tsp

Flour: $1.5 \times 15 = 22.5$ cups

Baking Powder: $1\frac{3}{4} \times 15 = \frac{7}{4} \times 15 = \frac{105}{4} = 26\frac{1}{4}$ tsp

Milk: $\frac{1}{2} \times 15 = \frac{15}{2} = 7\frac{1}{2}$ cups



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In order: \$25, \$28, \$30, \$32, \$32, \$34, \$36, \$37, \$38, \$50, \$50, \$52.

Sum = \$444

Mean = $\$444 \div 12 = \37

Median = $(\$34 + \$36) \div 2 = \$35$

Mode: \$32 and \$50 (bimodal)



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