

Recipe Math

Read each recipe card. Answer the questions.

Pancakes



Makes 10 pancakes

 $1\frac{2}{3}$ cups flour

 2 tablespoons sugar

 2 teaspoons baking powder

 $\frac{1}{2}$ teaspoon salt

 $1\frac{1}{3}$ cups milk

 1 egg

 3 tablespoons butter

 1 teaspoon vanilla

Blueberry Muffins



Makes 12 muffins

 2 cups flour

 $\frac{3}{4}$ cup sugar

 $\frac{1}{3}$ cup oil

 $\frac{1}{2}$ cup milk

 1 egg

 2 teaspoons baking powder

 $\frac{1}{2}$ teaspoon salt

 $1\frac{1}{2}$ cups blueberries

Answer the questions. Write each amount in simplest form.

Pancakes

1. Which ingredient uses the most cups? _____

2. How many more cups of flour than milk?

3. How many cups of flour and milk in all?

4. How many teaspoons of salt and vanilla in all?

Blueberry Muffins

5. Which ingredient uses the fewest cups? _____

6. How many more cups of sugar than oil?

7. How many cups of oil and milk in all?

8. How many cups of sugar and blueberries in all?

Recipe Math

Multiply each amount. Write the answer in simplest form.

Remember

To double a recipe, multiply every amount by 2. To triple it, multiply by 3.

Write each answer in simplest form: $2 \times \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$

Double the recipe to make 48 cookies.



Chocolate Chip Cookies

Makes 24 cookies

Ingredient	Recipe	Multiply	Doubled
Example  sugar	$\frac{3}{4}$ cup	$2 \times \frac{3}{4} = \frac{6}{4}$	$1\frac{1}{2}$ cups
 flour	$2\frac{1}{4}$ cups		_____
 butter	$\frac{1}{2}$ cup		_____
 eggs	1 egg		_____
 salt	$\frac{1}{2}$ teaspoon		_____
 chocolate chips	$1\frac{1}{3}$ cups		_____

Triple the recipe to fill 12 glasses.



Lemonade

Makes 4 glasses

Ingredient	Recipe	Multiply	Tripled
Example  lemon juice	$\frac{1}{2}$ cup	$3 \times \frac{1}{2} = \frac{3}{2}$	$1\frac{1}{2}$ cups
 sugar	$\frac{1}{3}$ cup		_____
 water	$3\frac{1}{2}$ cups		_____
 honey	2 tablespoons		_____

Recipe Math

Find half of each amount. Write it in simplest form.

Remember

Half of an amount is $\frac{1}{2}$ times the amount: $\frac{1}{2} \times \frac{5}{6} \text{ cup} = \frac{5}{12} \text{ cup}$

Halve a recipe only when every part can be cut in half: 2 eggs make 1 egg.

Shade half of the amount. Then multiply to find half.

Example

Half of $\frac{2}{3}$ cup

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

1.

Half of $\frac{3}{4}$ cup

$\frac{1}{2} \times \frac{3}{4} = \square$

2.

Half of $\frac{1}{3}$ cup

$\frac{1}{2} \times \frac{1}{3} = \square$

3.

Half of $\frac{1}{4}$ cup

$\frac{1}{2} \times \frac{1}{4} = \square$

Make half of the recipe.

Banana Bread Makes 1 loaf			
Ingredient	Recipe	Multiply	Half
Example eggs	2 eggs	$\frac{1}{2} \times 2 = \frac{2}{2}$	1 egg
sugar	$\frac{3}{4}$ cup		_____
mashed banana	$1\frac{1}{2}$ cups		_____
butter	$\frac{1}{2}$ cup		_____
flour	2 cups		_____
baking soda	1 teaspoon		_____

Recipe Math

Change a recipe to serve more or fewer people.

A recipe serves 4. What do you multiply each amount by?

Example

To serve 8:

×

1.

To serve 12:

×

2.

To serve 2:

×

3.

To serve 6:

×

Change the recipe to serve 2 and to serve 6.



Fruit Smoothie

Serves 4

Ingredient	Serves 4	Serves 2	Serves 6
Example yogurt	$1\frac{1}{3}$ cups	$\frac{2}{3}$ cup	2 cups
strawberries	$1\frac{1}{2}$ cups		
orange juice	1 cup		
bananas	2 bananas		
honey	4 tablespoons		

Solve. Show your work.

4. Soup for 6 people uses $2\frac{1}{4}$ cups of broth. Raj makes soup for 9 people. How much broth does he need?

Work



Answer

cups

5. A recipe for 12 granola bars uses $1\frac{2}{3}$ cups of oats. Mia makes 18 bars. How many cups does she need?

Work



Answer

cups

Recipe Math

Choose the measuring cups. Then find the cost of a batch.

Your Measuring Cups

You have these
measuring cups:



1 cup



$\frac{1}{2}$ cup



$\frac{1}{3}$ cup



$\frac{1}{4}$ cup

Which two measuring cups make each amount? You may use a cup twice.

Example

$$\frac{3}{4} \text{ cup} = \frac{1}{2} + \frac{1}{4}$$

1. $\frac{5}{6} \text{ cup} = \square + \square$

2. $1\frac{1}{4} \text{ cups} = \square + \square$

3. $\frac{7}{12} \text{ cup} = \square + \square$

4. $\frac{2}{3} \text{ cup} = \square + \square$

5. $1\frac{1}{3} \text{ cups} = \square + \square$

Ava bakes 24 muffins for a bake sale and sells them for \$1.25 each.

Shopping List



Flour

\$3.29



Sugar

\$2.85



Eggs

\$3.48



Milk

\$2.19



Blueberries

\$4.99

6. How much does Ava spend? _____

7. How much does it cost to make one muffin? _____

8. How much money does she take in when she sells all 24? _____

9. How much profit does she make? _____

Recipe Math

Read each recipe card. Answer the questions.

Pancakes



Makes 10 pancakes

 $1\frac{2}{3}$ cups flour

 2 tablespoons sugar

 2 teaspoons baking powder

 $\frac{1}{2}$ teaspoon salt

 $1\frac{1}{3}$ cups milk

 1 egg

 3 tablespoons butter

 1 teaspoon vanilla

Blueberry Muffins



Makes 12 muffins

 2 cups flour

 $\frac{3}{4}$ cup sugar

 $\frac{1}{3}$ cup oil

 $\frac{1}{2}$ cup milk

 1 egg

 2 teaspoons baking powder

 $\frac{1}{2}$ teaspoon salt

 $1\frac{1}{2}$ cups blueberries

Answer the questions. Write each amount in simplest form.



Pancakes

1. Which ingredient uses the most cups? _____

2. How many more cups of flour than milk?

3. How many cups of flour and milk in all?

4. How many teaspoons of salt and vanilla in all?



Blueberry Muffins

5. Which ingredient uses the fewest cups? _____

6. How many more cups of sugar than oil?

7. How many cups of oil and milk in all?

8. How many cups of sugar and blueberries in all?

Recipe Math

Multiply each amount. Write the answer in simplest form.

Remember

To double a recipe, multiply every amount by 2. To triple it, multiply by 3.

Write each answer in simplest form: $2 \times \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$

Double the recipe to make 48 cookies.



Chocolate Chip Cookies

Makes 24 cookies

Ingredient	Recipe	Multiply	Doubled
Example  sugar	$\frac{3}{4}$ cup	$2 \times \frac{3}{4} = \frac{6}{4}$	<u>$1\frac{1}{2}$ cups</u>
 flour	$2\frac{1}{4}$ cups		<u> </u>
 butter	$\frac{1}{2}$ cup		<u> </u>
 eggs	1 egg		<u> </u>
 salt	$\frac{1}{2}$ teaspoon		<u> </u>
 chocolate chips	$1\frac{1}{3}$ cups		<u> </u>

Triple the recipe to fill 12 glasses.



Lemonade

Makes 4 glasses

Ingredient	Recipe	Multiply	Tripled
Example  lemon juice	$\frac{1}{2}$ cup	$3 \times \frac{1}{2} = \frac{3}{2}$	<u>$1\frac{1}{2}$ cups</u>
 sugar	$\frac{1}{3}$ cup		<u> </u>
 water	$3\frac{1}{2}$ cups		<u> </u>
 honey	2 tablespoons		<u> </u>

Recipe Math

Find half of each amount. Write it in simplest form.

Remember

Half of an amount is $\frac{1}{2}$ times the amount: $\frac{1}{2} \times \frac{5}{6} \text{ cup} = \frac{5}{12} \text{ cup}$
Halve a recipe only when every part can be cut in half: 2 eggs make 1 egg.

Shade half of the amount. Then multiply to find half.

Example

Half of $\frac{2}{3}$ cup

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

1.

Half of $\frac{3}{4}$ cup

$\frac{1}{2} \times \frac{3}{4} = \square$

2.

Half of $\frac{1}{3}$ cup

$\frac{1}{2} \times \frac{1}{3} = \square$

3.

Half of $\frac{1}{4}$ cup

$\frac{1}{2} \times \frac{1}{4} = \square$

Make half of the recipe.

Banana Bread			Makes 1 loaf
Ingredient	Recipe	Multiply	Half
Example eggs	2 eggs	$\frac{1}{2} \times 2 = \frac{2}{2}$	1 egg
sugar	$\frac{3}{4}$ cup		
mashed banana	$1\frac{1}{2}$ cups		
butter	$\frac{1}{2}$ cup		
flour	2 cups		
baking soda	1 teaspoon		

Recipe Math

Change a recipe to serve more or fewer people.

A recipe serves 4. What do you multiply each amount by?

Example

To serve 8:

×

2

1.

To serve 12:

×

2.

To serve 2:

×

3.

To serve 6:

×

Change the recipe to serve 2 and to serve 6.

Fruit Smoothie		Serves 4	
Ingredient	Serves 4	Serves 2	Serves 6
Example  yogurt	1 $\frac{1}{3}$ cups	$\frac{2}{3}$ cup	2 cups
 strawberries	1 $\frac{1}{2}$ cups		
 orange juice	1 cup		
 bananas	2 bananas		
 honey	4 tablespoons		

Solve. Show your work.

4. Soup for 6 people uses 2 ¹/₄ cups of broth. Raj makes soup for 9 people. How much broth does he need?

Work

 Answer cups

5. A recipe for 12 granola bars uses 1 ²/₃ cups of oats. Mia makes 18 bars. How many cups does she need?

Work

 Answer cups

ANIMAL MATH

Find worksheets, teacher tools, and more at animalmath.com
© 2026 Eggroll Games

(4)

Recipe Math

Choose the measuring cups. Then find the cost of a batch.

Your Measuring Cups

You have these
measuring cups:



Which two measuring cups make each amount? You may use a cup twice.

Example

$$\frac{3}{4} \text{ cup} = \frac{1}{2} + \frac{1}{4}$$

1.

$$\frac{5}{6} \text{ cup} = \boxed{} + \boxed{}$$

2.

$$1\frac{1}{4} \text{ cups} = \boxed{} + \boxed{}$$

3.

$$\frac{7}{12} \text{ cup} = \boxed{} + \boxed{}$$

4.

$$\frac{2}{3} \text{ cup} = \boxed{} + \boxed{}$$

5.

$$1\frac{1}{3} \text{ cups} = \boxed{} + \boxed{}$$

Ava bakes 24 muffins for a bake sale and sells them for \$1.25 each.

Shopping List



Flour

\$3.29



Sugar

\$2.85



Eggs

\$3.48



Milk

\$2.19



Blueberries

\$4.99

6. How much does Ava spend? _____

7. How much does it cost to make
one muffin? _____

8. How much money does she take
in when she sells all 24? _____

9. How much profit does she make? _____

Recipe Math

Read each recipe card. Answer the questions.

Pancakes 	
Makes 10 pancakes	
	$1\frac{2}{3}$ cups flour
	2 tablespoons sugar
	2 teaspoons baking powder
	$\frac{1}{2}$ teaspoon salt
	$1\frac{1}{3}$ cups milk
	1 egg
	3 tablespoons butter
	1 teaspoon vanilla

Blueberry Muffins 	
Makes 12 muffins	
	2 cups flour
	$\frac{3}{4}$ cup sugar
	$\frac{1}{3}$ cup oil
	$\frac{1}{2}$ cup milk
	1 egg
	2 teaspoons baking powder
	$\frac{1}{2}$ teaspoon salt
	$1\frac{1}{2}$ cups blueberries

Answer the questions. Write each amount in simplest form.

Pancakes

1. Which ingredient uses the most cups?	<u>flour</u>
2. How many more cups of flour than milk?	$\frac{1}{3}$
3. How many cups of flour and milk in all?	3
4. How many teaspoons of salt and vanilla in all?	$1\frac{1}{2}$

Blueberry Muffins

5. Which ingredient uses the fewest cups?	<u>oil</u>
6. How many more cups of sugar than oil?	$\frac{5}{12}$
7. How many cups of oil and milk in all?	$\frac{5}{6}$
8. How many cups of sugar and blueberries in all?	$2\frac{1}{4}$

Recipe Math

Multiply each amount. Write the answer in simplest form.

Remember

To double a recipe, multiply every amount by 2. To triple it, multiply by 3.

Write each answer in simplest form: $2 \times \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$

Double the recipe to make 48 cookies.



Chocolate Chip Cookies

Makes 24 cookies

Ingredient	Recipe	Multiply	Doubled
Example  sugar	$\frac{3}{4}$ cup	$2 \times \frac{3}{4} = \frac{6}{4}$	<u>$1\frac{1}{2}$ cups</u>
 flour	$2\frac{1}{4}$ cups	$2 \times \frac{9}{4} = \frac{18}{4}$	<u>$4\frac{1}{2}$ cups</u>
 butter	$\frac{1}{2}$ cup	$2 \times \frac{1}{2} = \frac{2}{2}$	<u>1 cup</u>
 eggs	1 egg	$2 \times 1 = 2$	<u>2 eggs</u>
 salt	$\frac{1}{2}$ teaspoon	$2 \times \frac{1}{2} = \frac{2}{2}$	<u>1 teaspoon</u>
 chocolate chips	$1\frac{1}{3}$ cups	$2 \times \frac{4}{3} = \frac{8}{3}$	<u>$2\frac{2}{3}$ cups</u>

Triple the recipe to fill 12 glasses.



Lemonade

Makes 4 glasses

Ingredient	Recipe	Multiply	Tripled
Example  lemon juice	$\frac{1}{2}$ cup	$3 \times \frac{1}{2} = \frac{3}{2}$	<u>$1\frac{1}{2}$ cups</u>
 sugar	$\frac{1}{3}$ cup	$3 \times \frac{1}{3} = \frac{3}{3}$	<u>1 cup</u>
 water	$3\frac{1}{2}$ cups	$3 \times \frac{7}{2} = \frac{21}{2}$	<u>$10\frac{1}{2}$ cups</u>
 honey	2 tablespoons	$3 \times 2 = 6$	<u>6 tablespoons</u>

Recipe Math

Find half of each amount. Write it in simplest form.

Remember

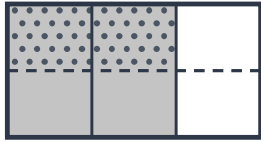
Half of an amount is $\frac{1}{2}$ times the amount: $\frac{1}{2} \times \frac{5}{6} \text{ cup} = \frac{5}{12} \text{ cup}$

Halve a recipe only when every part can be cut in half: 2 eggs make 1 egg.

Shade half of the amount. Then multiply to find half.

Example

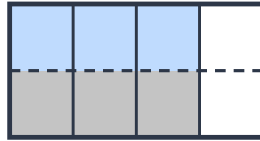
Half of $\frac{2}{3}$ cup



$$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$$

1.

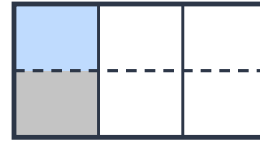
Half of $\frac{3}{4}$ cup



$$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$$

2.

Half of $\frac{1}{3}$ cup



$$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$$

3.

Half of $\frac{1}{4}$ cup



$$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$$

Make half of the recipe.



Banana Bread

Makes 1 loaf

Ingredient	Recipe	Multiply	Half
Example eggs	2 eggs	$\frac{1}{2} \times 2 = \frac{2}{2}$	<u>1 egg</u>
sugar	$\frac{3}{4}$ cup	$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$	<u>$\frac{3}{8}$ cup</u>
mashed banana	$1\frac{1}{2}$ cups	$\frac{1}{2} \times \frac{3}{2} = \frac{3}{4}$	<u>$\frac{3}{4}$ cup</u>
butter	$\frac{1}{2}$ cup	$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$	<u>$\frac{1}{4}$ cup</u>
flour	2 cups	$\frac{1}{2} \times 2 = \frac{2}{2}$	<u>1 cup</u>
baking soda	1 teaspoon	$\frac{1}{2} \times 1 = \frac{1}{2}$	<u>$\frac{1}{2}$ teaspoon</u>

Recipe Math

Change a recipe to serve more or fewer people.

A recipe serves 4. What do you multiply each amount by?

Example

To serve 8:

× **2**

1.

To serve 12:

× **3**

2.

To serve 2:

× **$\frac{1}{2}$**

3.

To serve 6:

× **$1\frac{1}{2}$**

Change the recipe to serve 2 and to serve 6.



Fruit Smoothie

Serves 4

Ingredient	Serves 4	Serves 2	Serves 6
Example yogurt	$1\frac{1}{3}$ cups	$\frac{2}{3}$ cup	2 cups
strawberries	$1\frac{1}{2}$ cups	$\frac{3}{4}$ cup	$2\frac{1}{4}$ cups
orange juice	1 cup	$\frac{1}{2}$ cup	$1\frac{1}{2}$ cups
bananas	2 bananas	1 banana	3 bananas
honey	4 tablespoons	2 tablespoons	6 tablespoons

Solve. Show your work.

4. Soup for 6 people uses $2\frac{1}{4}$ cups of broth. Raj makes soup for 9 people. How much broth does he need?

Work

$$9 \div 6 = 1\frac{1}{2}$$

$$\frac{9}{4} \times \frac{3}{2} = \frac{27}{8} = 3\frac{3}{8}$$



Answer

$3\frac{3}{8}$

cups

5. A recipe for 12 granola bars uses $1\frac{2}{3}$ cups of oats. Mia makes 18 bars. How many cups does she need?

Work

$$18 \div 12 = 1\frac{1}{2}$$

$$\frac{5}{3} \times \frac{3}{2} = \frac{15}{6} = 2\frac{1}{2}$$



Answer

$2\frac{1}{2}$

cups

Recipe Math

Choose the measuring cups. Then find the cost of a batch.

Your Measuring Cups

You have these measuring cups:



Which two measuring cups make each amount? You may use a cup twice.

Example

$$\frac{3}{4} \text{ cup} = \frac{1}{2} + \frac{1}{4}$$

1.

$$\frac{5}{6} \text{ cup} = \frac{1}{2} + \frac{1}{3}$$

2.

$$1\frac{1}{4} \text{ cups} = 1 + \frac{1}{4}$$

3.

$$\frac{7}{12} \text{ cup} = \frac{1}{3} + \frac{1}{4}$$

4.

$$\frac{2}{3} \text{ cup} = \frac{1}{3} + \frac{1}{3}$$

5.

$$1\frac{1}{3} \text{ cups} = 1 + \frac{1}{3}$$

Ava bakes 24 muffins for a bake sale and sells them for \$1.25 each.

Shopping List



Flour

\$3.29



Sugar

\$2.85



Eggs

\$3.48



Milk

\$2.19



Blueberries

\$4.99

6. How much does Ava spend?

\$16.80

7. How much does it cost to make one muffin?

\$0.70

8. How much money does she take in when she sells all 24?

\$30.00

9. How much profit does she make?

\$13.20