**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



**Shamrock Snack Mix**

**Recipe for Shamrock Snack Mix**: feeds four students

½ cup of marshmallows



1 cup of cheerios





1 cup of goldfish

2 cups of pretzels

**STEP ONE: MEASURE** all your ingredients into a bowl**.**

**STEP TWO: LIST** the ingredients in order from the one that you have the least of to the one that you have the greatest amount of**.**

**STEP THREE**: How many cups of snack mix do you make if you follow this original recipe?

**STEP FOUR**: **EXPLORING RELATIONSHIPS**

1. What is the relationship between the amount of goldfish and marshmallows?
2. What is the relationship between the amount of pretzels and marshmallows?
3. What is the relationship between the amount of marshmallows and the total amount of Shamrock Snack Mix?

**STEP FIVE**: Rewrite the Recipe to make enough Shamrock Snack Mix for the class, twenty students.

Use **RATIOS** to help you.

 1 cup of Cheerios cups of Cheerios

1. The list shows the amount of each ingredient Charlotte used to make 3 servings of shamrock snack mix.

\* 2 cups of pretzels

\* ½ cup of mini marshmallows

\* 1 cup of goldfish

\* 1 cup of cheerios

Based on this information, which statement is not true?

A. To make 6 servings, Charlotte should use 1 cup of marshmallows.

B. To make 24 servings, Charlotte should use 8 cups of pretzels.

C. To make 1 serving, Charlotte should use 1 cup of pretzels.

D. To make 9 servings, Charlotte should use 3 cups of goldfish.

2. If each Shamrock snack mix recipe feeds 4 people, using the measurements above, how many ounces would each person be served?

A. 32 ounces

B. 4 ½ ounces

C. 40 ounces

D. 16 ounces

3. The pictograph below shows the amount of ingredients being used in the Shamrock snack mix:

Ingredients in Shamrock Snack Mix

Pretzels

Marshmallows

Gold Fish

Cheerios

= 1 cup of ingredient

Which statement is best supported by the information presented in the pictograph?

A. There are a total of 5 cups of ingredients

B. The ratio of the amount of cheerios to the amount of pretzels is 2 to 1

C. The difference between the amount of cheerios in the mix and marshmallows is 1 cup.

D. The ratio of the amount of Gold Fish to Pretzels is 1 to 2.

4. While making lemonade Scott realizes his lemonade is extremely sweet. He looks back at the ingredients and realizes the ratio of water to sugar was 3 to 2. What could Scott have accidentally done to make the lemonade so sweet?

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 1 batch 5 batches

 1 cup of goldfish  cups of goldfish

 1 batch 5 batches

 1/2 cup of marshmallows  cups of marshmallows

 1 batch 5 batches

 2 cups of pretzels  cups of pretzels

 1 batch 5 batches

**HOW MANY TOTAL CUPS OF SNACK MIX FOR A WHOLE CLASS?\_\_\_\_\_\_**

**STEP SIX: TIME TO EVALUATE**

1. The list shows the amount of each ingredient Charlotte used to make Shamrock Snack Mix for four students.

\* 2 cups of pretzels

\* ½ cup of mini marshmallows

\* 1 cup of goldfish

\* 1 cup of cheerios

Based on this information, which statement is not true?

A. To make 8 servings, Charlotte should use 1 cup of marshmallows.

B. To make16 servings, Charlotte should use 8 cups of pretzels.

C. To make 1 serving, Charlotte should use 1 cup of pretzels.

D. To make 12 servings, Charlotte should use 3 cups of goldfish.

2. If each Shamrock snack mix recipe feeds 4 people, using the measurements above, how many ounces would each person be served?

**Note: 8 ounces = 1 cup**

A. 32 ounces

B. 4 ½ ounces

C. 40 ounces

D. 16 ounces

3. The pictograph below shows the amount of ingredients being used in the Shamrock snack mix:



Which statement is best supported by the information presented in the pictograph?

A. There are a total of 5 cups of ingredients

B. The ratio of the amount of cheerios to the amount of pretzels is 2 to 1

C. The difference between the amount of cheerios in the mix and marshmallows is 1 cup.

D. The ratio of the amount of Gold Fish to Pretzels is 1 to 2.

4. While making lemonade Scott realizes his lemonade is extremely sweet. He looks back at the ingredients and realizes the ratio of water to sugar was 3 to 2. What could Scott have accidentally done to make the lemonade so sweet?

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