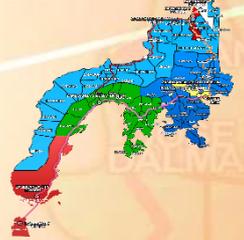




Republic of the Philippines  
**Department of Education**  
 Regional Office IX, Zamboanga Peninsula



- JANUARY**  
*Matuguhon*
- FEBRUARY**  
*Mahiguagman*
- MARCH**  
*Matinabungan*
- APRIL**  
*Matinahuron*
- MAY**  
*Makapsay og Malimpyo*
- JUNE**  
*Maablik og Masunod sa  
Dhasakong Oras*
- JULY**  
*Maantigo og Maabilidad*
- AUGUST**  
*Maginhuhuhunon  
para sa Uban*
- SEPTEMBER**  
*Madaginoton*
- OCTOBER**  
*Matinud-anon*
- NOVEMBER**  
*Masaligan*
- DECEMBER**  
*Maalampon*



Zest for P rogress  
 Zeal of P artnership

# Mathematics

## Quarter 3 - Module 2

### HALVES AND FOURTHS



Name of Learner: \_\_\_\_\_

Grade & Section: \_\_\_\_\_

Name of School: \_\_\_\_\_

# Module 2

## HALVES AND FOURTHS



### What I Need to Know

#### Learning Competency

After going through this module, you will be able to:

- visualizes, represents and divides a whole into halves and fourths and identify  $\frac{1}{2}$  and  $\frac{1}{4}$  of a whole object

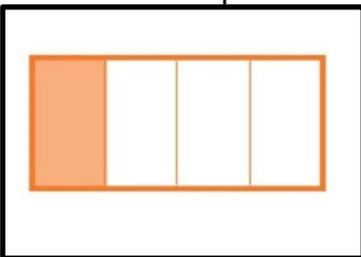


### What I Know

Before we start with our new topic, let's find out first how much you already know about this lesson.

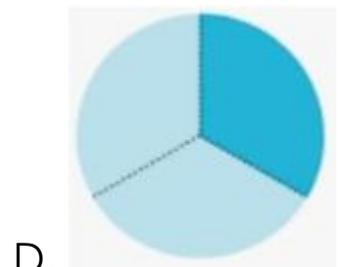
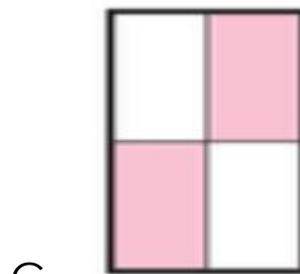
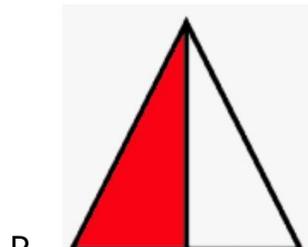
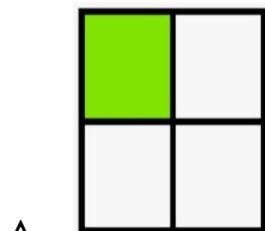
Directions: Write the letter of the correct answer on the blank before the number.

\_\_\_\_\_ 1. Look at the figure below. What fraction the shaded portion of the figure represents?



- A.  $\frac{1}{4}$
- B.  $\frac{1}{3}$
- C.  $\frac{2}{3}$
- D.  $\frac{1}{2}$

\_\_\_\_\_ 2. Which of the following figure shows  $\frac{1}{2}$ ?





## What's In

On the previous lesson, you are having fun counting and grouping objects according to its quantity. You make sure that each group of objects have the same number of things. You learned to count group of equal quantity of objects and write its equivalent expression. It is as easy as 1, 2 and 3 if you actively learning the process. This time, let us try to recall those things through this activity. **Activity 1:** 'Match Me' on the next page.

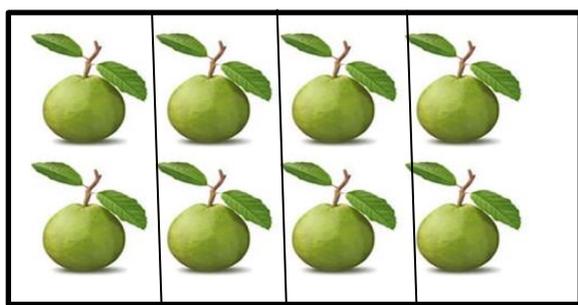
### Activity 1: Match me

Directions: Match column A with column B.

Column A

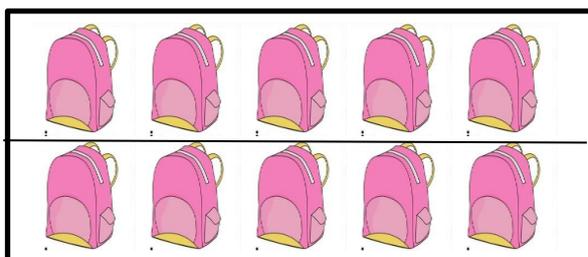
Column B

1.



2 groups of 5

2.



4 groups of 2



## What's New

Hey there! Today, you will be learning about halves and fourths as part of a whole and on how to divide, visualize and represent it. Let's learn the first step by helping our friend in the story.

Ana's mom bought 2 pies for her birthday. Her mom asked her to slice the first pie into halves and the other one into fourths. But Ana didn't slice it because she didn't have any idea what halves and fourths are.

- Who is the girl in the story?
- Why Ana didn't slice the pies?
- Do you have any idea on how to slice it?

Answer activity 2. Let's see if you can help Ana solve the problem.

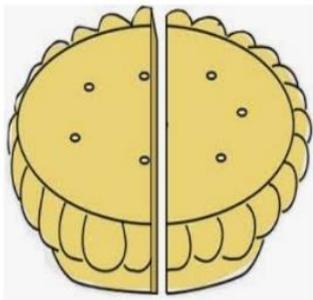


## What is it

A fraction is a part of a whole new thing, when a slice of pie is taken out, it becomes a fraction.

Look at the pie in illustration 1. It was divided into 2 equal parts. Each part of it is called a **half** of the **whole** or **one half**. We express one half by the symbol  $\frac{1}{2}$ . The numerator is 1 and the denominator is 2. This means that we have 1 part out of 2 pieces of the pie. The symbol “---” tells us that the whole pie was divided into 2 equal parts. The “2” below the line tells us that there are 2 equal parts of the pie.

### Illustration 1



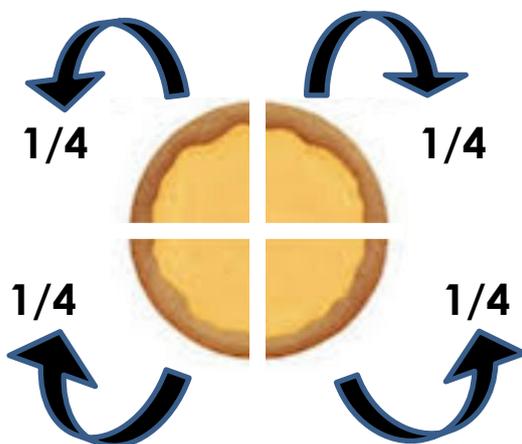
$$\frac{1}{2} \quad - \text{ Numerator}$$
$$2 \quad - \text{ denominator}$$

Pie Clipart # 2978009, Clipart Library, [www.Clipartlibrary.com](http://www.Clipartlibrary.com)

Below are samples of a half

If halves are divided into 2 equal parts, the fourths on the other hand is divided into four equal parts. One-fourth is express by the symbol  $\frac{1}{4}$  which means that we have 1 part of the pie out of 4 pieces of it. Illustration 2 shows that there are 4 parts of a pie or we say there are 4 one – fourths in a whole pie.

### Illustration 2



► 4 quarters ( $\frac{1}{4}$ ) make a whole pie

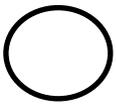
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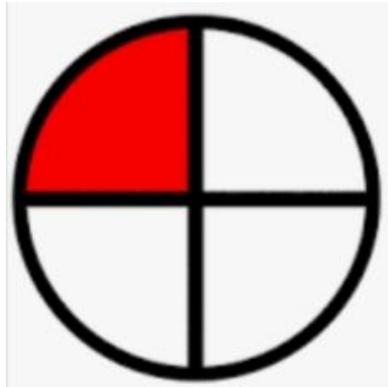
### Remember:

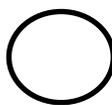
If the whole is divided into **2** equals sized pieces, each piece is **one half** of the whole. If the whole is divided into **4** equal sized pieces, each piece is **one fourth** of the whole.

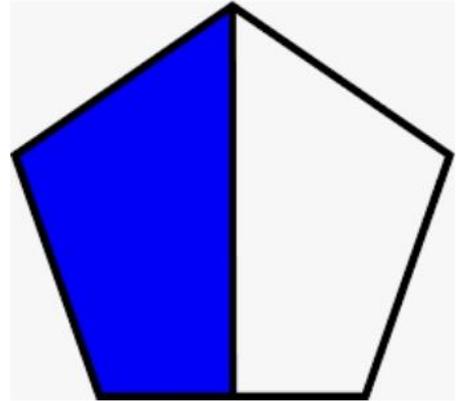
**Activity 2: "Color me nicely"**

Color the circle beside the figure with red if the figure shows  $\frac{1}{2}$  and blue if it is  $\frac{1}{4}$ .

1. 



2. 



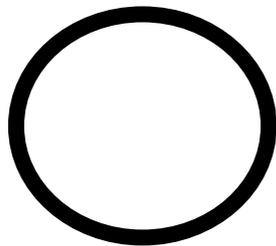
**What's More**

**Activity 3** *Divide Me correctly*

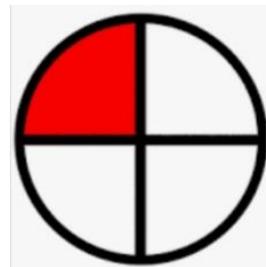
Directions: Divide each shape into 4 equal parts and color one part to show  $\frac{1}{4}$ . Write  $\frac{1}{4}$  beside the shape.

Example:

Given shape



Answer

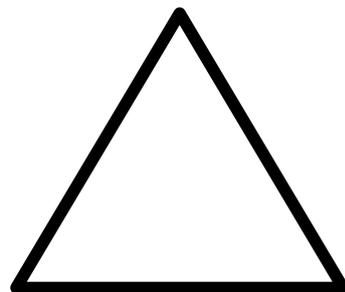


$$\frac{1}{4}$$

1.



2.





## What I Have Learned

### Activity 4: Guess Me If You Can

Directions: Guess the correct answer. Am I  $\frac{1}{2}$  or  $\frac{1}{4}$ ?  
Write  $\frac{1}{2}$  or  $\frac{1}{4}$  in the box.

1. I am a part of a whole which was equally divided into four, who am I?

2. You have yours and I have mine. We two have the same size.

3. One, two, three and four. We are all part of a whole that was once alone but was divided into four.



## Assessment

Directions: Write the letter of the correct answer on the blank before the number.

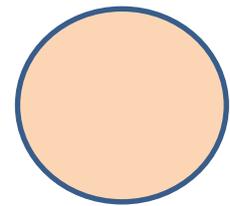
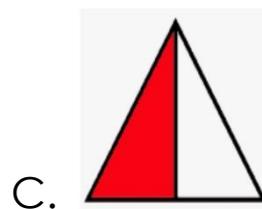
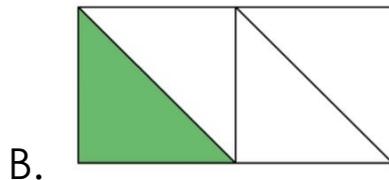
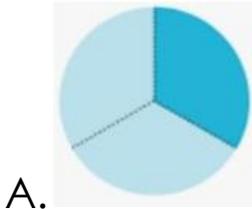
\_\_\_\_\_ 1. How would you split a whole cake into halves?

- A. slicing it into 2 equal parts
- B. Divide it into 3 parts equally
- C. Cut it horizontally in any size possible
- D. Cut into 4

\_\_\_\_\_ 2. What does 2 represent in  $\frac{1}{2}$ ?

- A. The number of parts we are counting
- B. The number of equal parts in all the whole
- C. The number of equal parts in one whole
- D. The number of all the parts of the whole

3. Which of the following figures shows  $\frac{1}{4}$ ?



## References

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coordination with Ateneo De Manila University,

*Lesson Guide in Elementary Mathematics Grade I, 2012*

Gayda, V, et al.

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Printed by Alken Company (S) PTE.LTD. 2012

Online Resources:

[stockvectors.com](http://stockvectors.com)

[clipartlibrary.com](http://clipartlibrary.com)

[splashlearn.com](http://splashlearn.com)

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