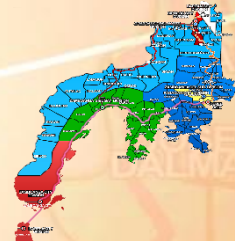




Republic of the Philippines
Department of Education
Regional Office IX, Zamboanga Peninsula



Zest for Progress
Zeal of Partnership

Mathematics

Quarter 3 - Module 2

HALVES AND FOURTHS



Name of Learner: _____

Grade & Section: _____

Name of School: _____

JANUARY
Makugihon

FEBRUARY
Mahigugmaon

MARCH
Matinabungen

APRIL
Matinahuron

MAY
Makapray og Matimpyo

JUNE
*Maablik og Masunod sa
Ohsaklong Oras*

JULY
Maantigo og Maabilidad

AUGUST
*Maginhuhuhunon
para sa Uban*

SEPTEMBER
Madaginoton

OCTOBER
Matinud-anon

NOVEMBER
Masaligan

DECEMBER
Maalampon

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

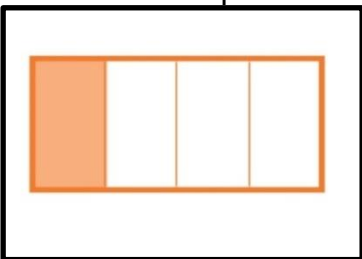


What I Know

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

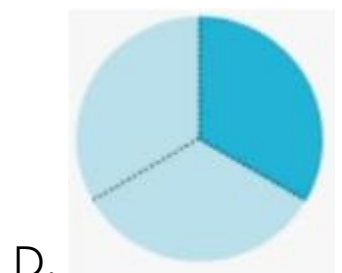
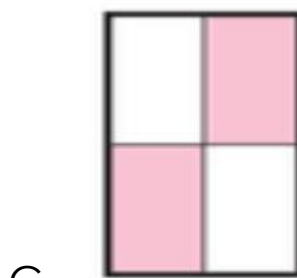
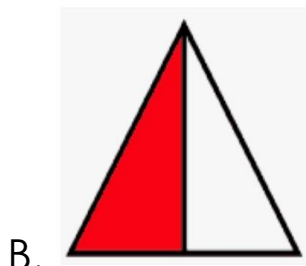
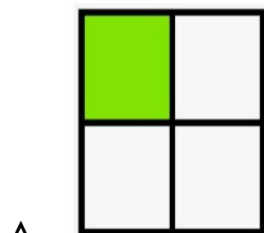
Directions: Write the letter of the correct answer on the blank before the number.

_____ 1. Look at the figure below. What is the shaded portion of fraction 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.

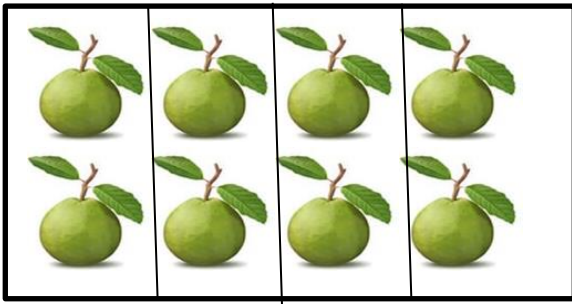
Activity 1: Match me

Directions: Match column A with column B.

Column A

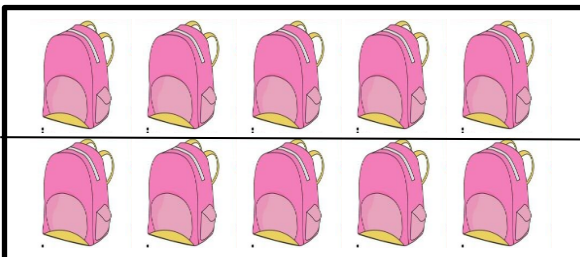
Column B

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.

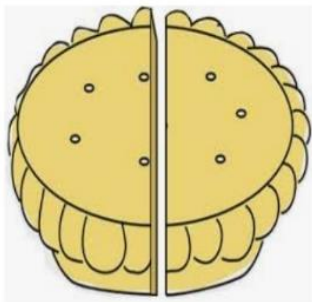


What is it

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

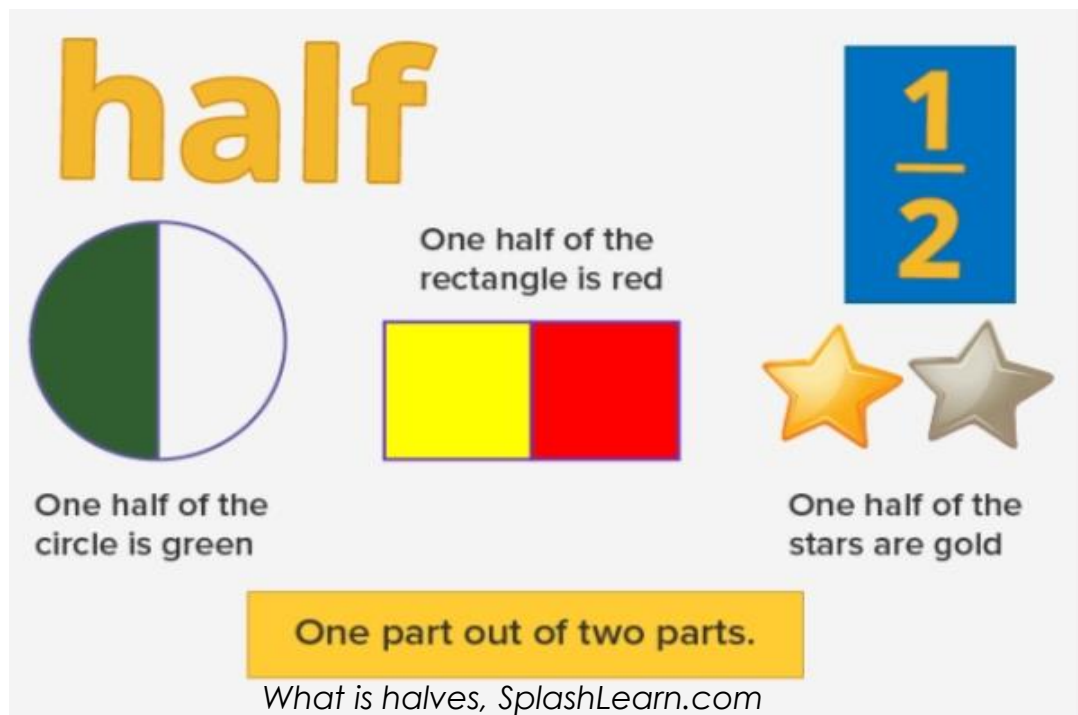


$$\frac{1}{2}$$

- Numerator
- denominator

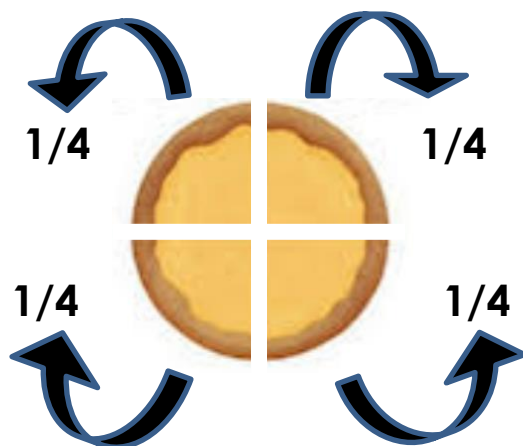
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Below are samples of a half



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

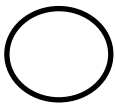
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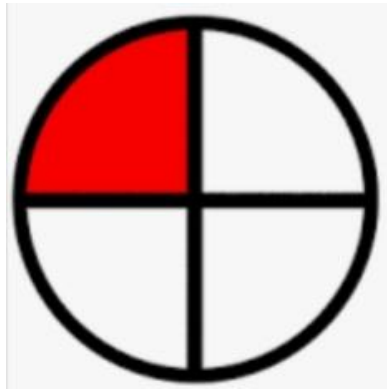
Remember:

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.

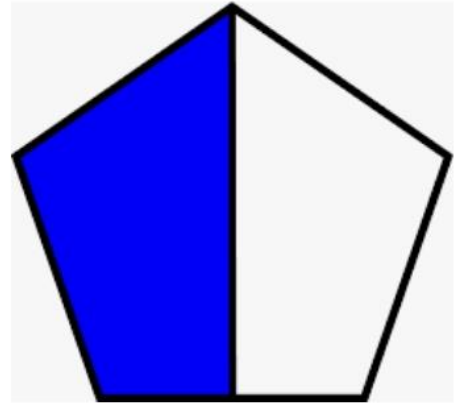
Activity 2: "Color me nicely"

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. 



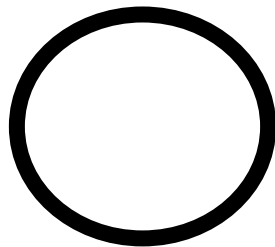
What's More

Activity 3 Divide Me correctly

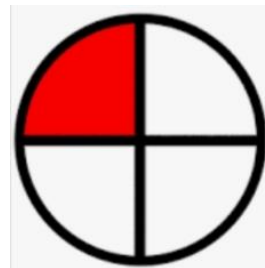
Directions: Divide each shape into 4 equal parts and color one part to show $\frac{1}{4}$. Write $\frac{1}{4}$ beside the shape.

Example:

Given shape



Answer

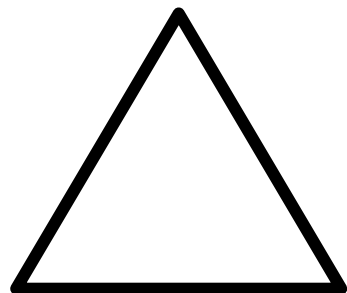


$$\frac{1}{4}$$

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.

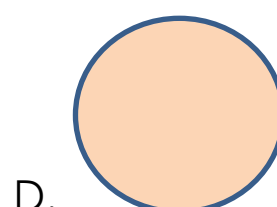
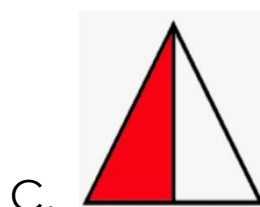
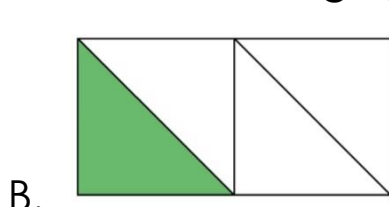
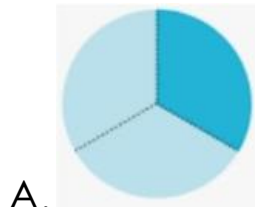
_____ 1. How would you split a whole cake into halves?

- 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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Lesson Guide in Elementary Mathematics Grade I, 2012

Gayda, V, et al.

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Development Team

Writer: **Melanie M. Paciencia**

Editors/QA: **Crislyn M. Makasiar**
Romar P. Navarro
Jennifer F. Gadian
Lea M. Indayo

Reviewer: **Gina I. Lihao**
EPS-Mathematics

Illustrator:
Layout Artist:

Management Team:

Evelyn F. Importante
OIC- CID Chief EPS

Dr. Aurelio A. Santisas, CESE
OIC- Assistant SDS

Dr. Jenealyn A. Aleman, CESO VI
OIC- Schools Division Superintendent