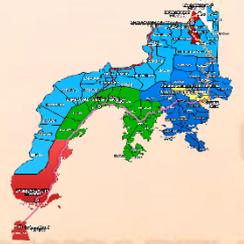




Republic of the Philippines
Department of Education
 Regional Office IX, Zamboanga Peninsula



Zest for Progress
 Zeal of Partnership

2

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

MATHEMATICS

Quarter 3 - MODULE 5 Fractions Less Than One



Name of Learner: _____

Grade & Section: _____

Name of School: _____



What I Need to Know

This module aims to target these objectives:

- **Learning Competency**

Visualizes, represents and identifies unit fractions with denominators of 10 and below. *MELC Code-M2NS-IIIId-72.2*

Read and writes unit fractions. *MELC Code-M2NS-IIIId-76.1*

- Compares using relation symbol and arranges in increasing or decreasing order the unit fractions.

No Code

- Identifies other fraction less than one with denominators 10 and below M2NS-IIIe-79.1

- Visualizes (using group of objects and number line) reads and writes similar fractions

No Code



What I Know

Pre-test

Directions: Encircle the letter of the correct answer.

1. Which of the following fractions below represents two – fourths?

A. $\frac{1}{4}$

B. $\frac{2}{4}$

C. $\frac{3}{4}$

D. $\frac{4}{4}$

2. Choose from the word fractions that are similar.

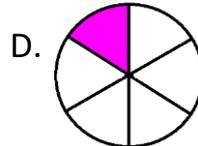
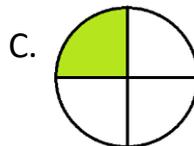
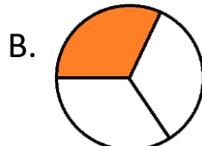
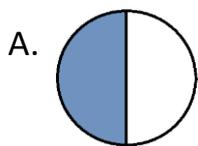
A. three – fourths, five – sixths, three – ninths

B. two – eights, nine – sevenths, six – tenths

C. one – tenths, three – tenths, five – tenths

D. four – fifths, one – half, three – fourth

3. How can $\frac{1}{6}$ be illustrated in fractional part?



4. Order the following fractions from least to greatest.

$\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{5}$

A. $\frac{1}{5}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$

C. $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$

B. $\frac{1}{3}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$

D. $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{1}{5}$

5. There were 10 scouters joined the camping. Six boy scouts and four girl scouts.

What fraction of the pupils are boy scouts?

a. $\frac{6}{10}$

b. $\frac{4}{10}$

c. $\frac{3}{10}$

d. $\frac{2}{10}$



What's In

Activity I: Match Me!

Directions: Match the fraction to the correct word name.

1. $\frac{1}{7}$ ●

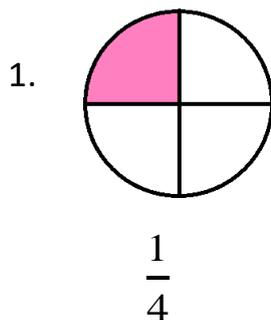
● four – tenth

2. $\frac{4}{10}$ ●

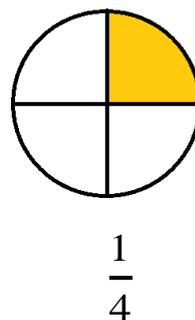
● one – sevenths

Activity II: Ring Me!

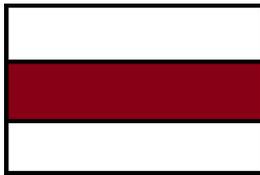
Directions: Ring the correct symbol.



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=
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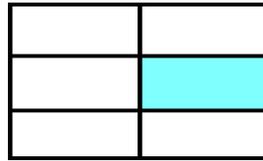
2.



$$\frac{1}{3}$$

<

>



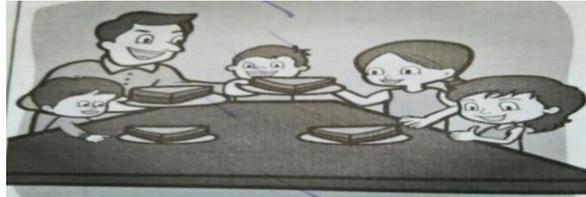
$$\frac{1}{6}$$



What's New

Read a Word Problem:

A. Mr. Alvares brought home a cake to be shared by his 4 kids. He equally divided the cake between Lea, Hannah, Patricia and Mon. Let's see how Mr. Alvares divided the cake.



Questions:

1. How many equal parts is the whole divided into?

2. How many parts are being taken away

A **Fraction** is a part of a whole.

1
—

Numerator – is the number of parts taken away.

Fraction Bar – separates the numerator and denominator.

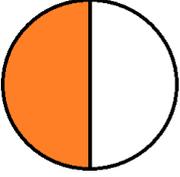
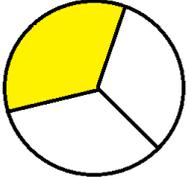
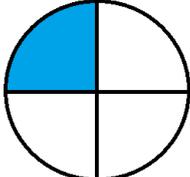
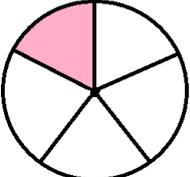
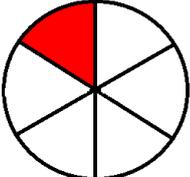
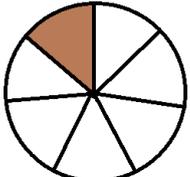
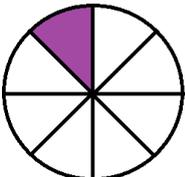
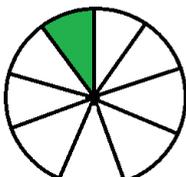
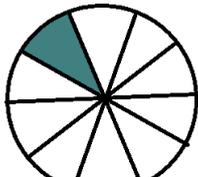
4

Denominator – is the number of total parts in a whole.



What is it

Here are how fractions are written and read.

 $\frac{1}{2}$ one - half	 $\frac{1}{3}$ one - third	 $\frac{1}{4}$ one - fourth
 $\frac{1}{5}$ one - fifth	 $\frac{1}{6}$ one - sixth	 $\frac{1}{7}$ one - seventh
 $\frac{1}{8}$ one - eighth	 $\frac{1}{9}$ one - ninth	 $\frac{1}{10}$ one - tenth

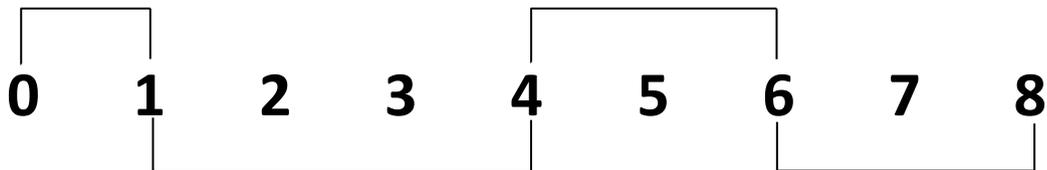
Remember:

In reading fractions, instead of saying the number for the denominator, we use ordinal numbers.

We can visualize this problem by using a number line

Lito's Land $\frac{1}{8}$
(one - eight)

Andrew's Land $\frac{2}{8}$
(two - eight)



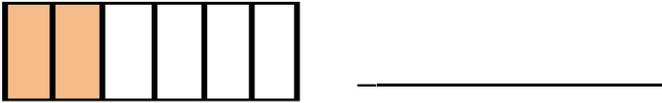
Ryan's Land $\frac{3}{8}$
(three - eight)

Loie's Land $\frac{2}{8}$
(two - eight)



What I Can Do

1. Give the unit fraction of each figure.

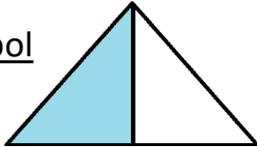


2. Draw each unit of fraction.

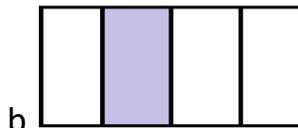
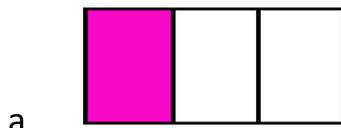
$$\frac{1}{8}$$

3. Write the fractions of the shaded parts in words and in symbol. Words

Symbol



4. Order them from the least to greatest then from greatest to least by putting 1-3 in the blank.



Remember:

A fraction is less than one when the numerator is less than the denominator.



Assessment

Compare the following fractions below using relation symbols $<$, $>$, $=$

1.

$$\frac{2}{6} \quad \square \quad \frac{2}{5}$$

A. $<$

B. $>$

C. $=$

2. What kind of fractions are the following:

$$\frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}$$

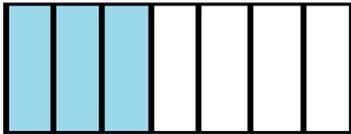
A. similar

B. dissimilar

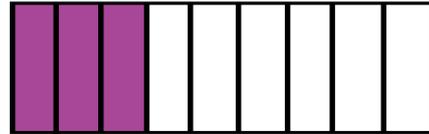
C. equal to another

3. How can $\frac{3}{10}$ be illustrated in fractional part?

A.



C.



B.



D.



4. Choose from the following word fractions that are similar.

A. ONE – third, one – fourth, one – fifths

B. three – fifths, four – sixths, four – sevenths

C. one – sevenths, one – half, one – fifths

D. four – sevenths, five – sevenths, six – sevenths

There are 10 scouters join the camping. Four boy scouts and six girl scouts.

5. What fraction of the students are girl scouts?

A. $\frac{4}{10}$

B. $\frac{5}{10}$

C. $\frac{6}{10}$

D. $\frac{7}{10}$

References:

Moradante, L., et.al,2013. Kagamitan ng Mag-aaral

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