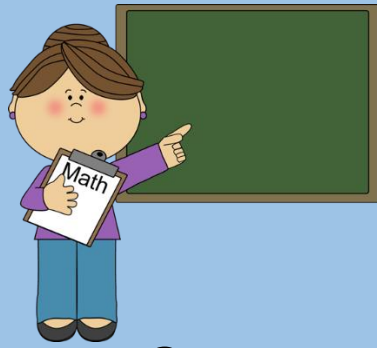


Grade 3 Math

Day 2



This lesson is for Grade 3 students. In today's lesson you will review representing fractions using a variety of models. This lesson consists of an opening, a problem of the day, a math activity, a reflection, and Dreambox if internet is available.

All assignments that have this picture are due to your teacher.



Standard:

3.NSF.1 Develop an understanding of fractions (i.e., denominators 2, 3, 4 6, 8, 10) as numbers. A fraction can be represented using set, area, and linear models.

I CAN Statements:



I can represent fractions using set, area, and linear models.



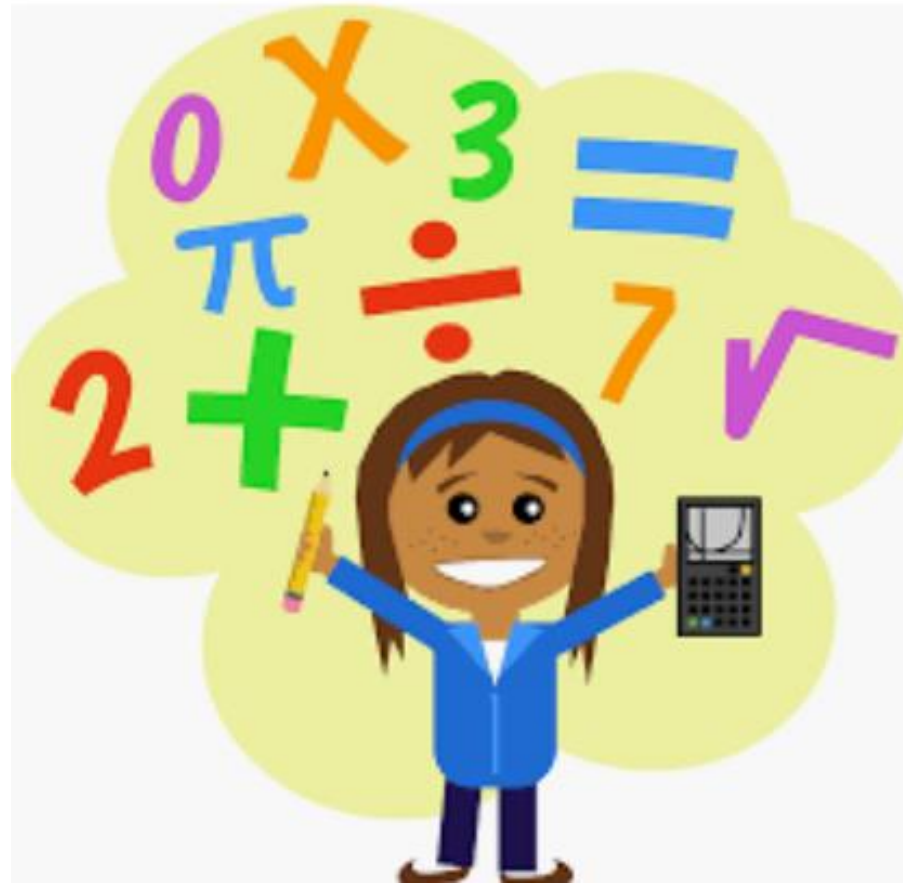
Essential Questions:

- How can we apply our understanding of fractions in everyday life?
- How can I represent fractions in different ways?

Materials and Resources:

- [Manipulatives](#) (If internet is available)
- Paper and Pencil
- Dreambox (If internet is available)





Activities

Opening: Grade 3 Fraction Routine:



Draw the number line below onto a sheet of paper.

Place the following fractions on the number line.

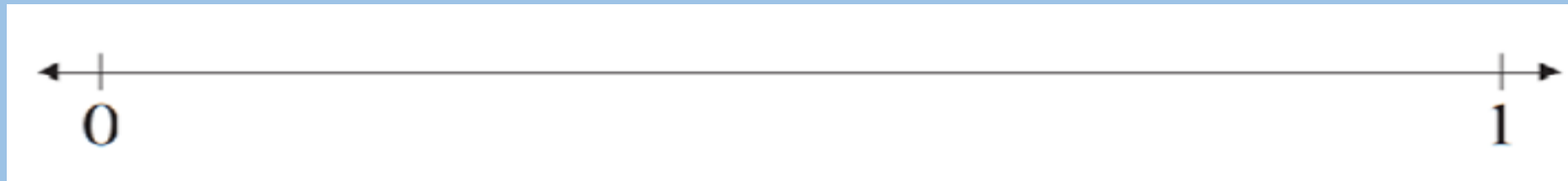
$$\frac{2}{4}$$

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

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

$$\frac{3}{4}$$

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



3rd Grade Problem of the Day

In Mario's soccer league, one soccer player is $\frac{1}{8}$ of a team.
How many players are on the whole team?



A. 1

B. 4

C. 6

D. 8

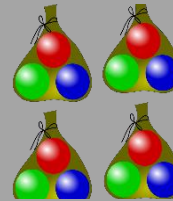
Use pictures, words, and/or numbers to justify your thinking.



Activities:



#1 Click the [video](#) to watch the read-aloud “If You Were a Fraction,”
OR See next slide for standard review.



#2 Complete the activity found on the slide following the standard review



#3 Then answer questions 1 – 5 on the slides that follow.

Activity # 1

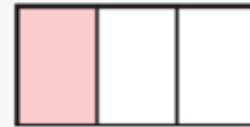
Standard Review

Fractions are numbers that describe equal parts of a whole.

denominator: the bottom number in a fraction. It tells how many equal parts are in the whole.

numerator: the top number in a fraction. It tells how many parts you have.

$\frac{1}{3}$ of this rectangle has been shaded.



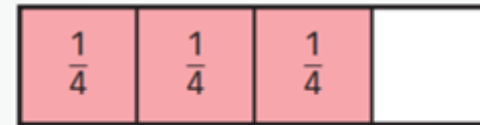
$\frac{1 \text{ part shaded}}{3 \text{ equal parts in the whole}}$

$\frac{1}{3}$ is a **unit fraction** because it names just one equal part of a whole.

$\frac{1}{4}$ is another example of a unit fraction.



Three $\frac{1}{4}$ s of this rectangle have been shaded. So we write that $\frac{3}{4}$ is shaded.



Activity #1

Directions: Create a table like the one to the right and complete.

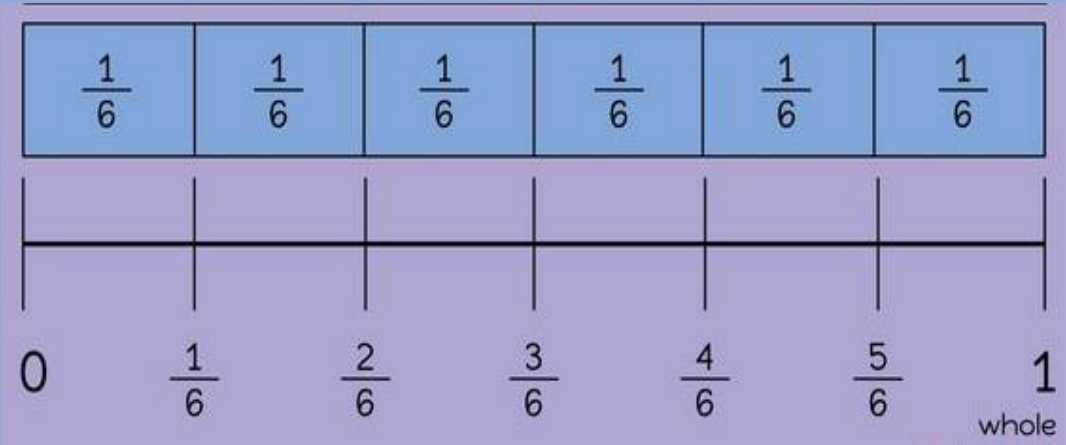
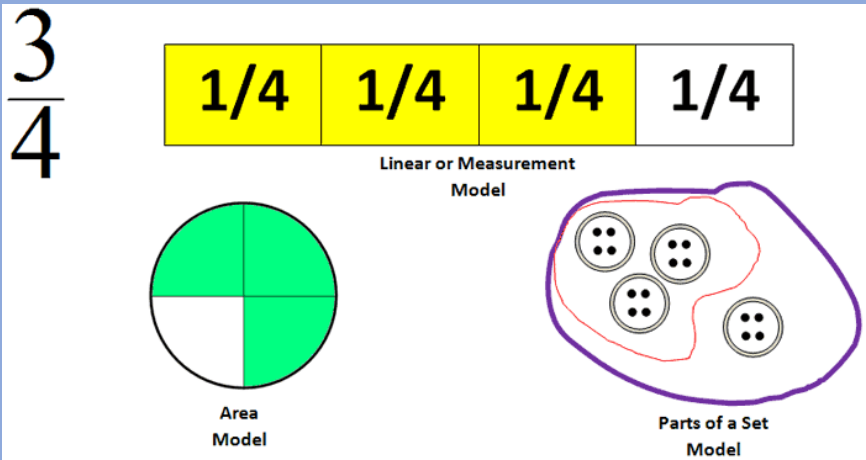
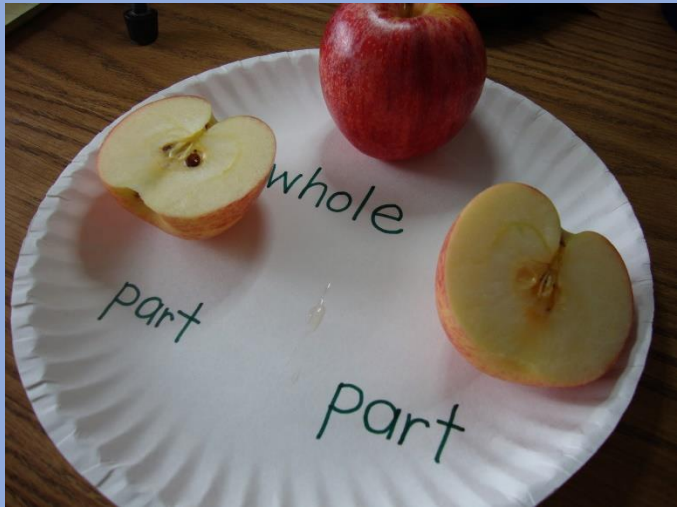
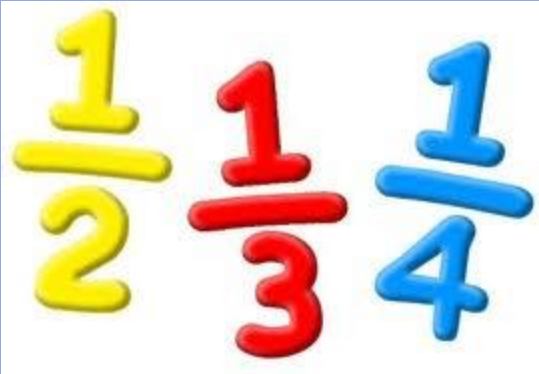
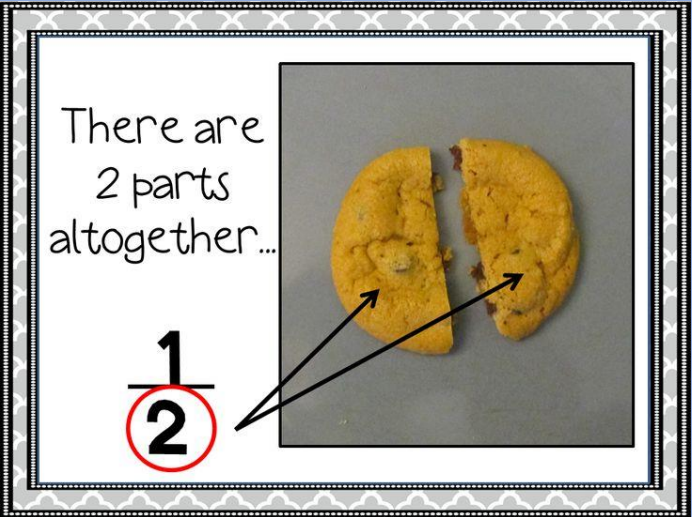
Activity Sheet

Record objects around your home where you see fractions. Record the unit fraction and provide a drawing of your observation.

Item	Unit Fraction	Drawing



Answer Questions 1-5 found on the following slides



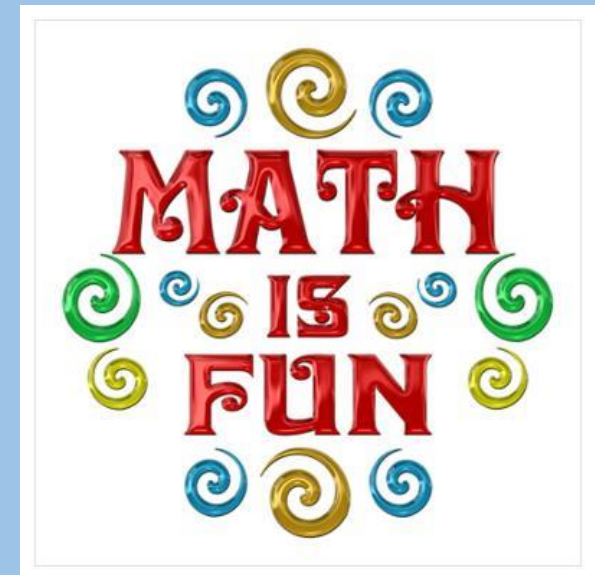
Solve the problems.

- 1** The parts in this model are all equal.



Which fraction names the shaded part of the model?

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

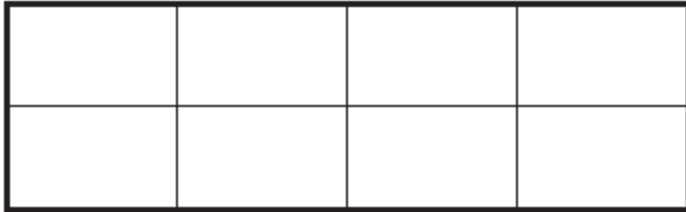


2 The rectangle shows $\frac{1}{6}$. Finish shading the model to show $\frac{4}{6}$ shaded.

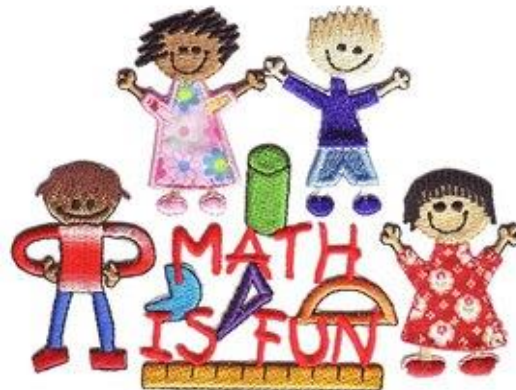


Assignment

3 Abigail draws a rectangle. The parts in her rectangle are all equal.



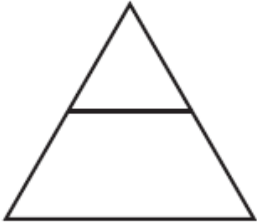
Write the unit fraction shown by each part of Abigail's rectangle.



4 Does the model show one half?

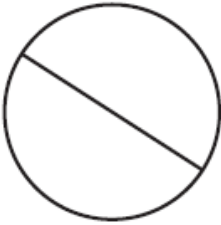
Choose *Yes* or *No* for each model.

a.



☐ Yes ☐ No

b.



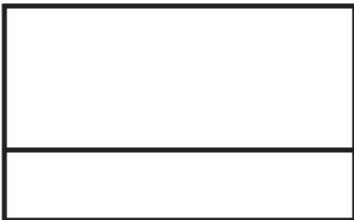
☐ Yes ☐ No

c.

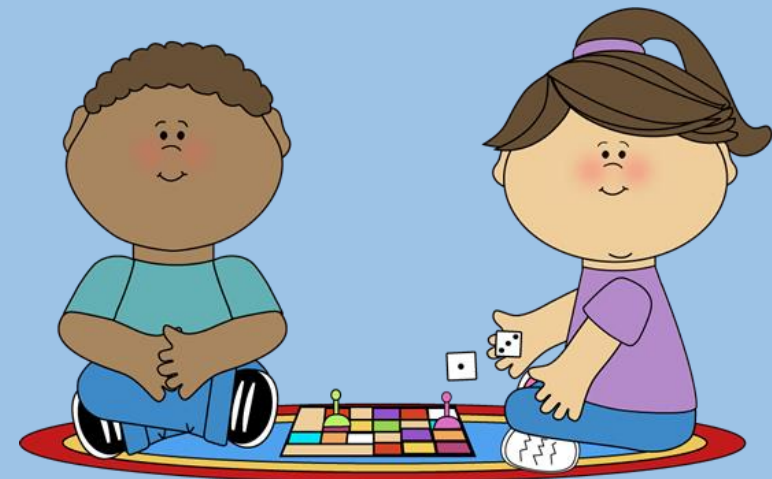


☐ Yes ☐ No

d.

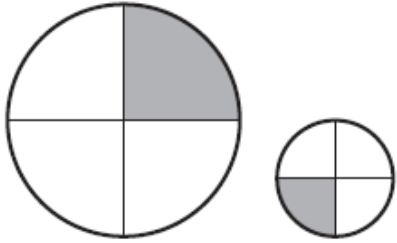


☐ Yes ☐ No





5 Each circle is divided into equal parts.



Compare the fraction of each model that is shaded. Explain what is the same and what is different about the shaded parts.



Reflection: Today you have reviewed representing fractions using a variety of models. **What was one thing you did well with today's lesson? What is one thing you need additional help with?**

Write down the answers to these questions on a sheet of paper.



If internet is available, please
login to [Dreambox](#) and work for 10 minutes.



Great job, mathematicians! Please make sure you have written down your answers to each question from today's activities and place your work in your book bag to give to your teacher when you return to school.

