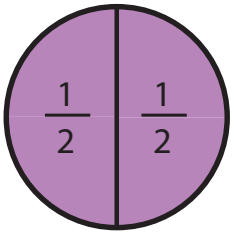
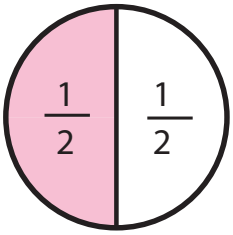
Learning About Equal and Unequal Shares

3rd Grade





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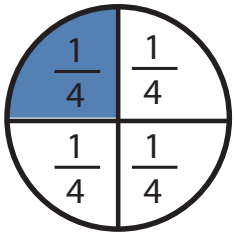

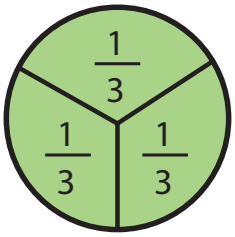

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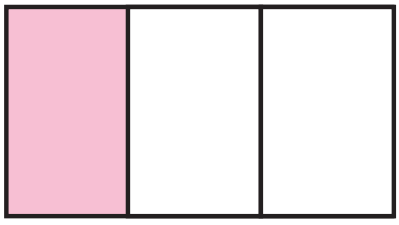

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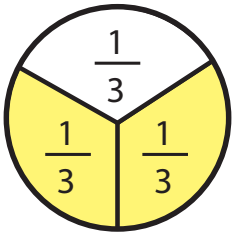

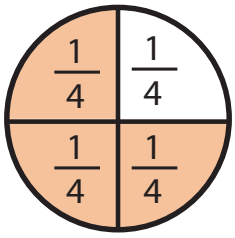

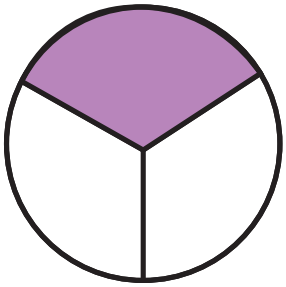

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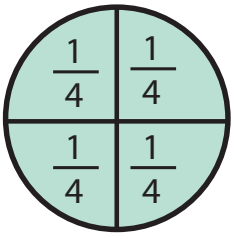

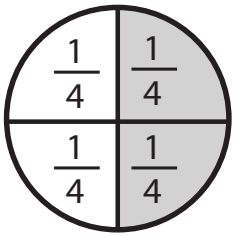

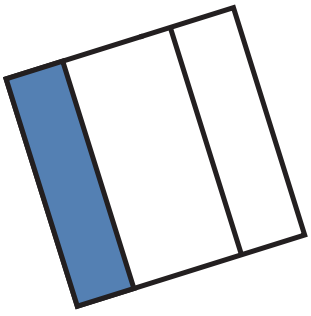

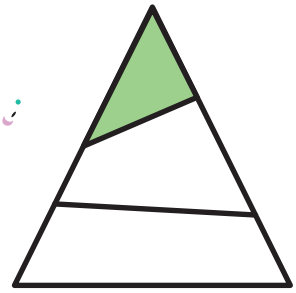

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Table of Contents

Learning About Equal and Unequal Shares

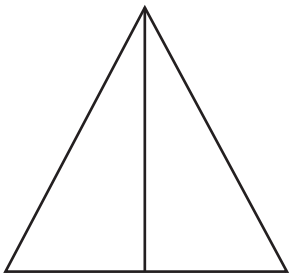
* *Includes Answer Sheet*

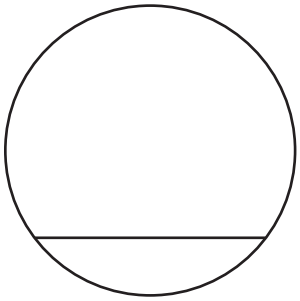
Name _____ Date _____

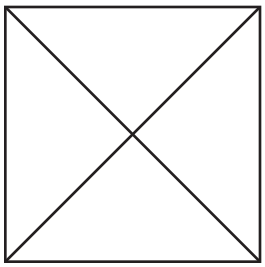
Learning About Equal and Unequal Shares

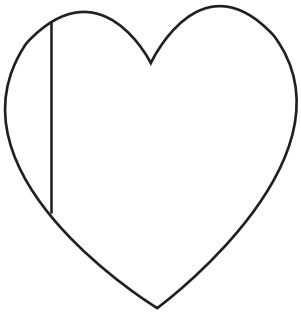
-If a shape is divided into parts that are of equal shape and size, it's divided into equal shares.
-If a shape is divided into parts that are of unequal shape and size, it's divided into unequal shares.

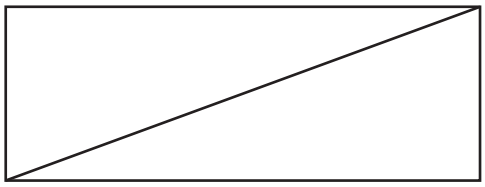
Directions:
Draw a purple circle around the shapes divided into equal shares. Then, draw a green circle around the shapes divided into unequal shares.

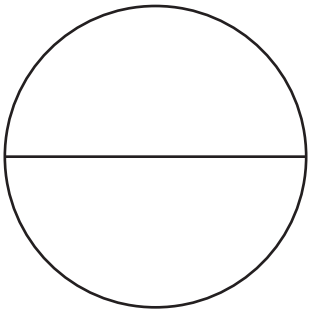


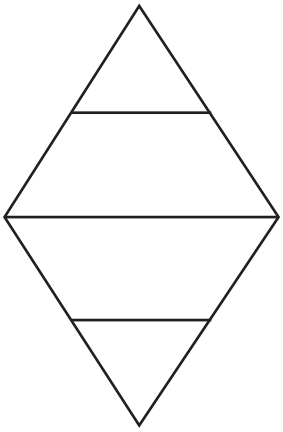


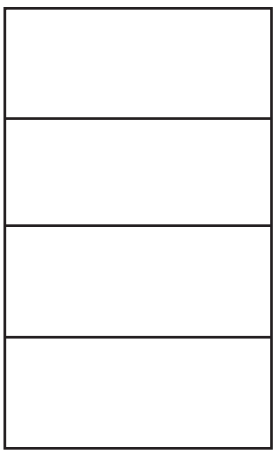


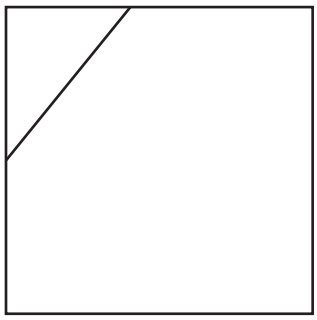








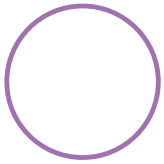


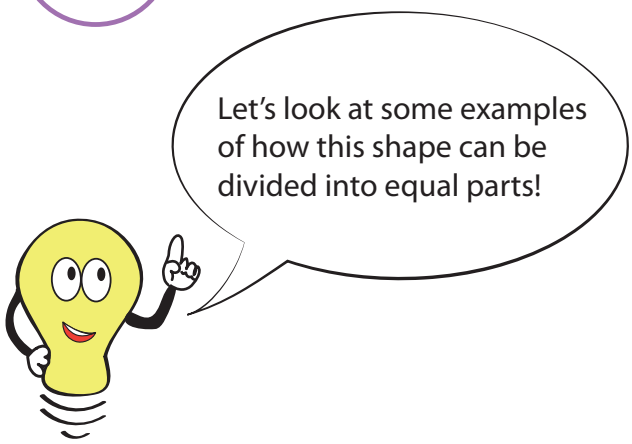


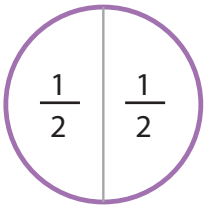
Name _____ Date _____

Learning About Equal Shares

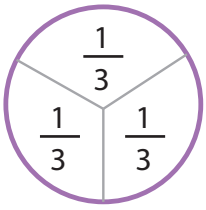
This purple circle represents one whole.
This shape can be divided into equal parts.



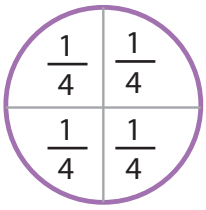




There are 2 halves.
Each equal part equals one half.



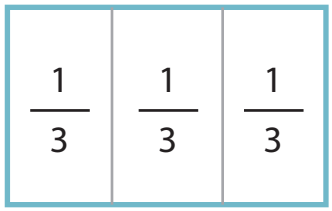
There are 3 thirds.
Each equal part equals one third.



There are 4 fourths.
Each equal part equals one fourth.

Write the number of equal parts you see in each of the wholes. Then, write the correct fraction in each equal part. *The first question has been completed for you.*

1.



3 equal parts

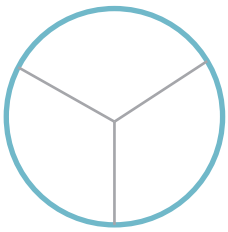
There are 3 **thirds**.

2.

_____ equal parts

There are 2 _____.

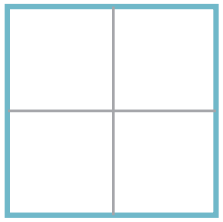
3.



_____ equal parts

There are 3 _____.

4.



_____ equal parts

There are 4 _____.

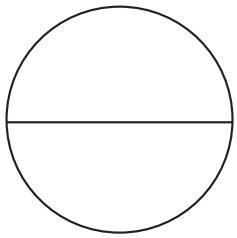
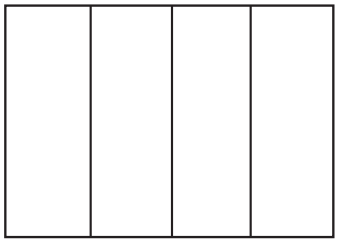
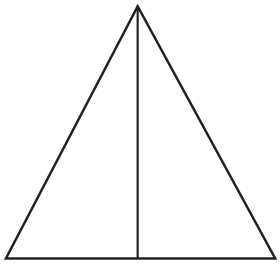
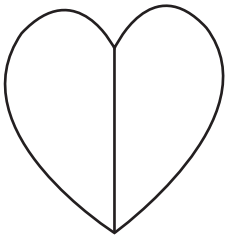
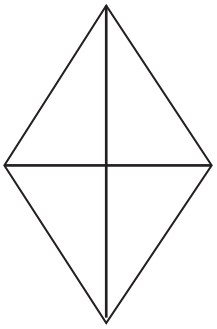
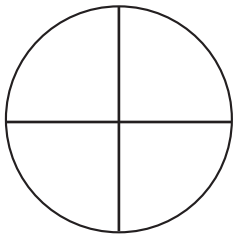
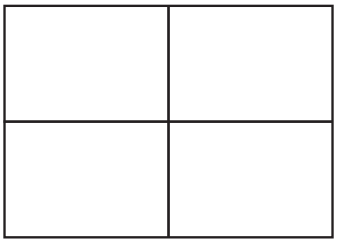
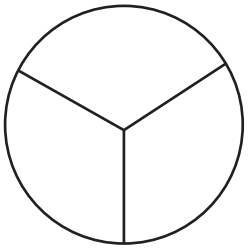
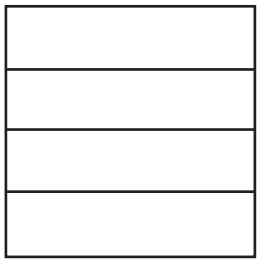
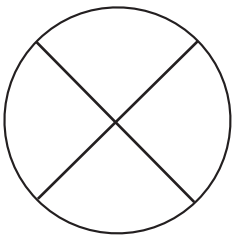
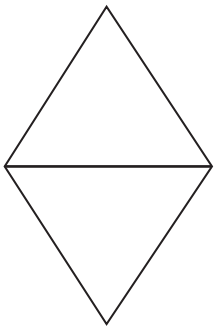
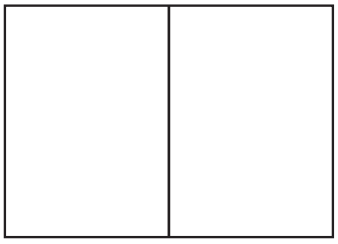
Name _____ Date _____

Circle the Equal Parts

Draw a blue circle around the shapes showing two equal parts, or halves.

Draw a green circle around the shapes showing three equal parts, or thirds.

Use a purple circle around the shapes showing four equal parts, or fourths.

Name _____ Date _____

Draw Equal Parts

Dividing brownies into equal parts is an important and delicious job! Follow the directions below to divide the brownies in three different ways.

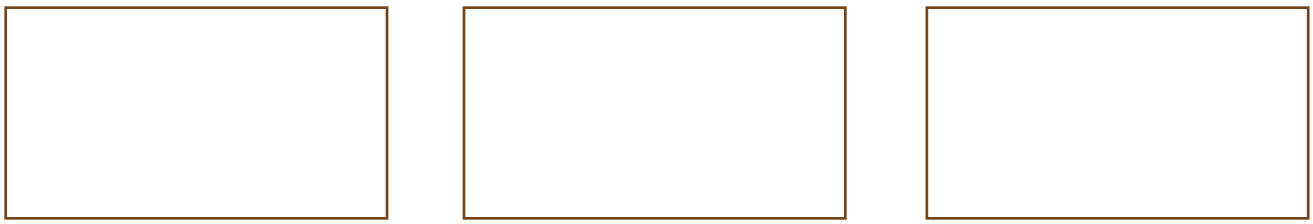
Directions:

1) Show two ways to divide these brownies into two equal parts or halves. Then, shade 1/2 of each brownie.

2) Show two ways to divide these brownies into three equal parts or thirds. Then, shade 2/3 of each brownie.

3) Show two ways to divide these brownies into four equal parts or fourths. Then, shade 3/4 of the brownie.

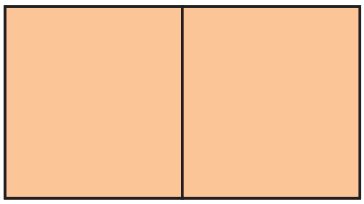
4) You have three brownies that are all the same size. The first brownie is cut into halves. The second brownie is cut into thirds. And the third brownie is cut into fourths. Which brownie has the largest pieces? Which brownie has the smallest pieces? Show your work in the space provided.

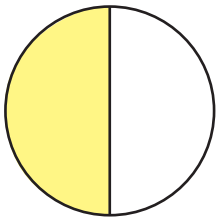


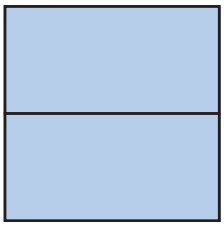
Name _____ Date _____

Identifying Halves

Write the correct fraction term that represents the shaded part of each shape: zero halves, one half, or two halves.

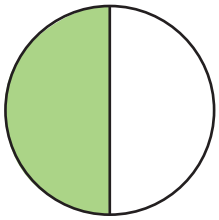


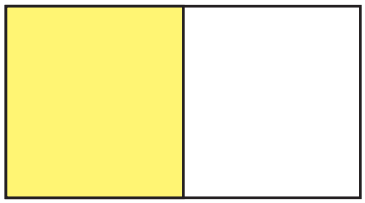


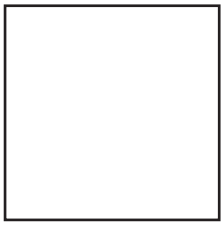


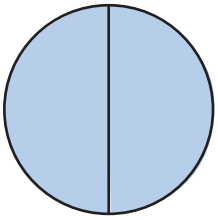
Write the correct fraction that represents the shaded part of each shape:

$\frac{0}{2}$, $\frac{1}{2}$, or $\frac{2}{2}$





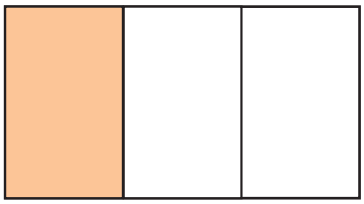


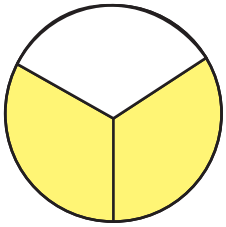


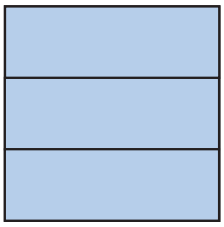
Name _____ Date _____

Identifying Thirds

Write the correct fraction term that represents the shaded part of each shape: zero thirds, one third, two thirds, or three thirds.

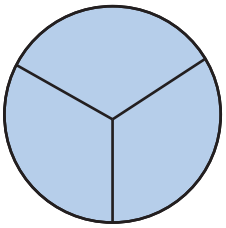


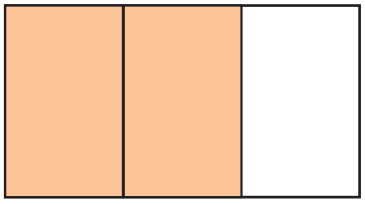


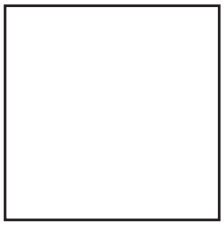


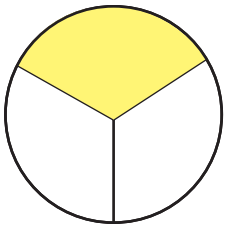
Write the correct fraction that represents the shaded part of each shape:

$\frac{0}{3}$, $\frac{1}{3}$, $\frac{2}{3}$ or $\frac{3}{3}$





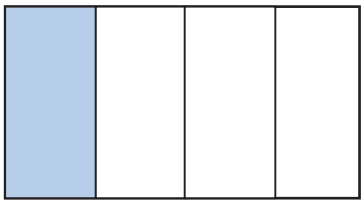


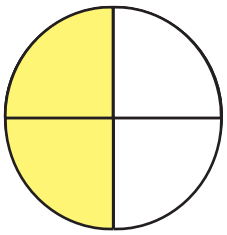


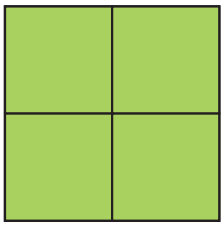
Name _____ Date _____

Identifying Fourths

Write the correct fraction term that represents the shaded part of each shape: zero fourths, one fourth, two fourths, three fourths, or four fourths.

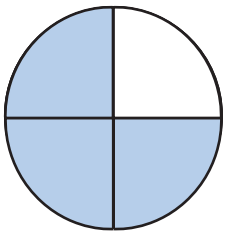


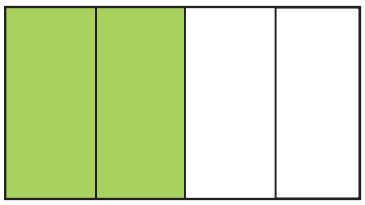


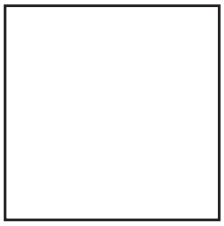


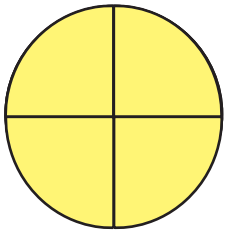
Write the correct fraction that represents the shaded part of each shape:

$\frac{0}{4}$, $\frac{1}{4}$, $\frac{2}{4}$ or $\frac{3}{4}$





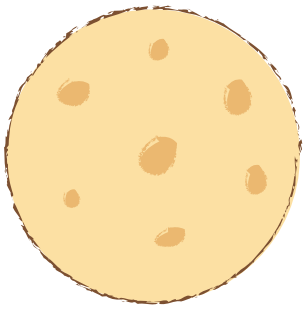




Name _____ Date _____

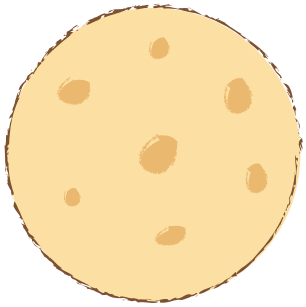
Fractions: Halves, Thirds, Fourths

1) Divide this cookie into two equal parts. Write 1/2 in each section of the cookie.



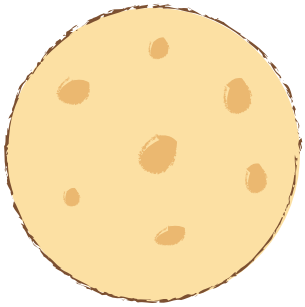
Now, shade 1/2 of this cookie.

2) Divide this cookie into three equal parts. Write 1/3 in each section of the cookie.



Now, shade 2/3 of this cookie.

3) Divide this cookie into four equal parts. Write 1/4 in each section of the cookie.



Now, shade 1/4 of this cookie.

4) Janice wants to divide a cookie into equal parts so that each of her three friends get the same portion of the cookie. Will Janice cut the cookie into halves, thirds or fourths?

_____

Name _____ Date _____

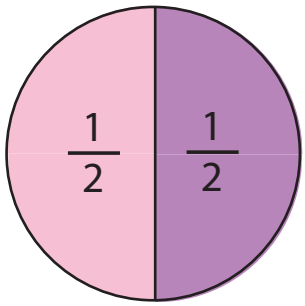
Find the Halves, Thirds and Fourths

The circles below are divided into halves, thirds or fourths. Write the correct fraction in the blank space .

Example: I see one whole circle.

½ of the circle is pink.

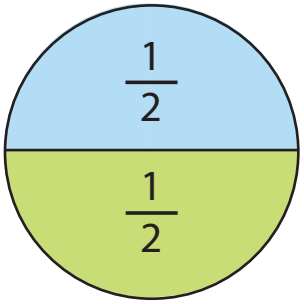
½ of the circle is purple.



I see one whole circle.

_____ of the circle is green.

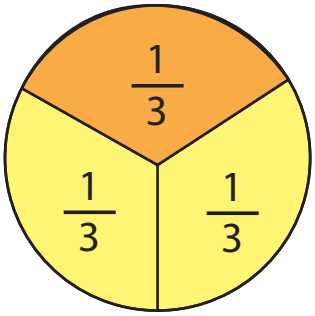
_____ of the circle is blue.



I see one whole circle.

_____ of the circle is orange.

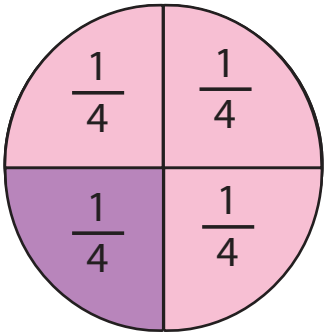
_____ of the circle is yellow.



I see one whole circle.

_____ of the circle is pink.

_____ of the circle is purple.

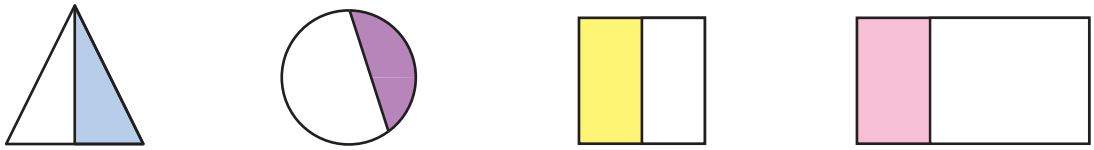


Name _____ Date _____

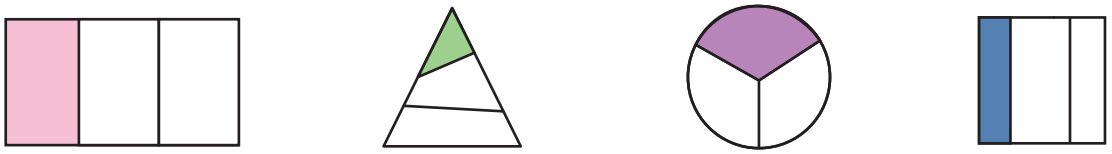
Identifying Halves, Thirds, and Fourths

Directions: Circle the correct shapes.

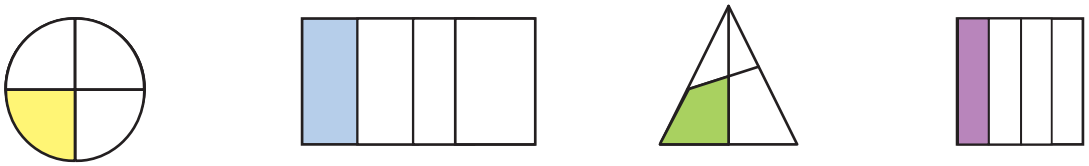
1) Circle the shapes that represent the fraction $\frac{1}{2}$.



2) Circle the shapes that represent the fraction $\frac{1}{3}$.



3) Circle the shapes that represent the fraction $\frac{1}{4}$.



4)

a. **How many halves are there in a whole?** _____

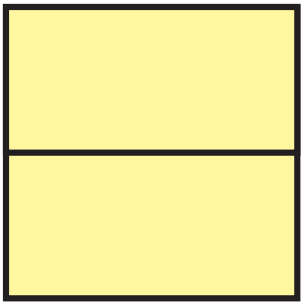
b. **How many thirds are there in a whole?** _____

c. **How many fourths are there in a whole?** _____

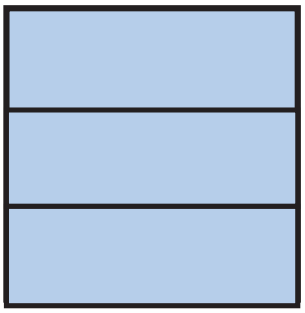
Name _____ Date _____

Parts of a Whole

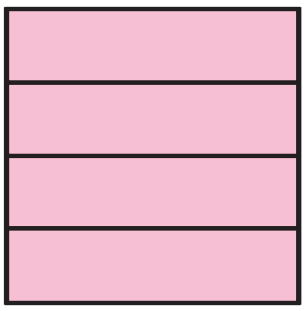
Directions: Match the image with the correct math sentence.



Four fourths make up a whole.



Three thirds make up a whole.



Two halves make up a whole.

Name _____ Date _____

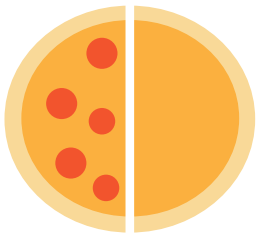
Pizza Fractions: Halves

Directions: Choose a fraction term from the word box to fill in the blank space.

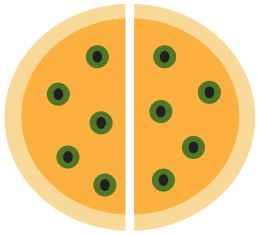
Two halves	One whole	One half	Two wholes	One fourth

Problem #1 _____ of this pizza has cheese toppings.

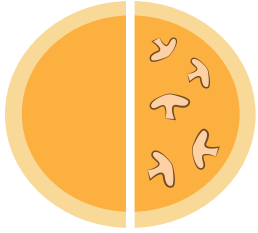
Problem #2 _____ of this pizza has pepperoni.



Problem #3 _____ of this pizza has olive toppings.



Problem #4 _____ of this pizza has mushroom toppings.



Name _____ Date _____

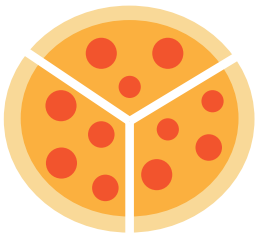
Pizza Fractions: Thirds

Directions: Choose a fraction term from the word box to fill in the blank space.

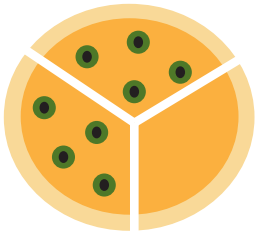
Three thirds or one whole	One third	Two thirds	One fourth

Problem #1 _____ of this pizza has cheese toppings.

Problem #2 _____ of this pizza has pepperoni toppings.



Problem #3 _____ of this pizza has olive toppings.



Problem #4 _____ of this pizza has mushroom toppings.

Name _____ Date _____

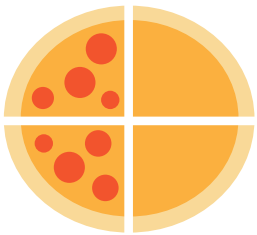
Pizza Fractions: Fourths

Directions: Choose a fraction term from the word box to fill in the blank space.

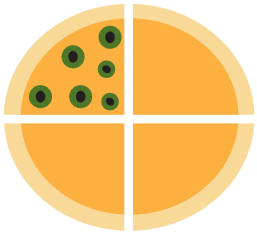
Four fourths or one whole	One fourth	Two fourths	Three fourths

Problem #1 _____ of this pizza has cheese toppings.

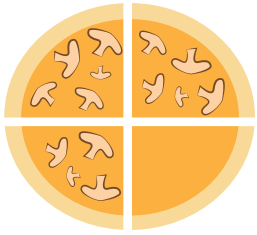
Problem #2 _____ of this pizza has pepperoni toppings.



Problem #3 _____ of this pizza has olive toppings.

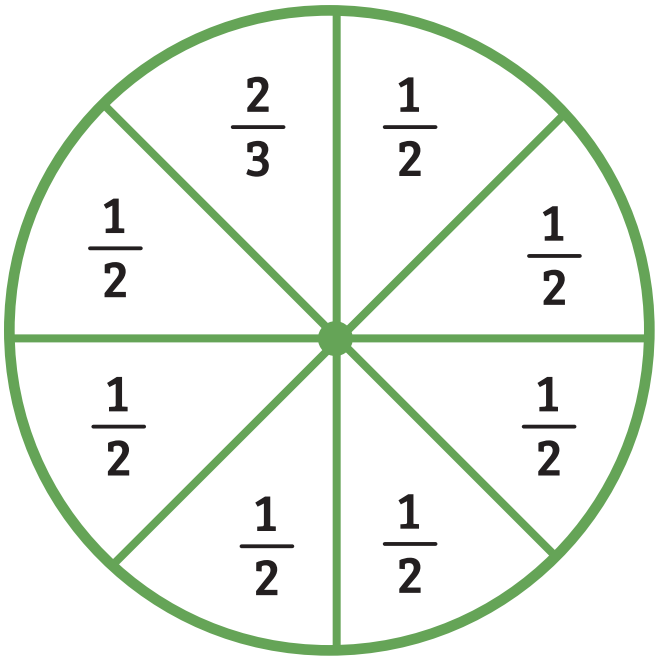


Problem #4 _____ of this pizza has mushroom toppings.



Name _____ Date _____

Spin to Win: Fractions

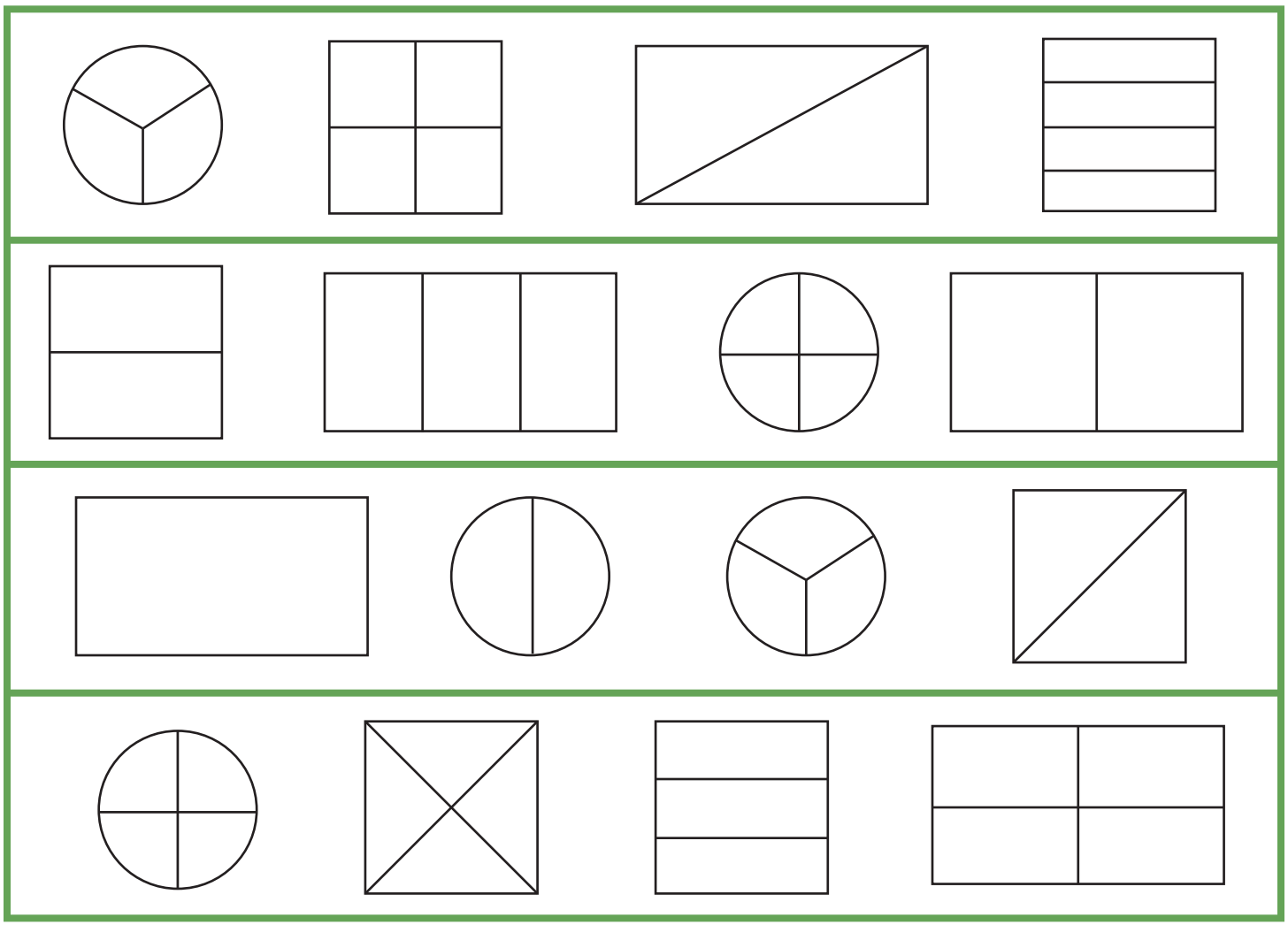


Materials

- Paper clip (to create spinner)
- Gameboard

Steps

-Spin the paper clip.
-Choose an image on the gameboard to shade. The fraction you land on will determine the number of sections that you shade.
-Repeat these steps on your next turn.
-The winner is the first person to shade four images in a row.



Name _____ Date _____

Make a Match: Fractions

Get Ready to Play

Cut out picture cards.
Shuffle picture cards.
Place picture cards face down in one pile.

Cut out fraction cards.
Shuffle fraction cards.
Place fraction cards face down in a second pile.

How to Play

Step 1

Player 1 draws one card from the picture pile and one card from fraction pile.
If player 1 has a match, she places the match face up next to her.

Player 2 completes Step 1.

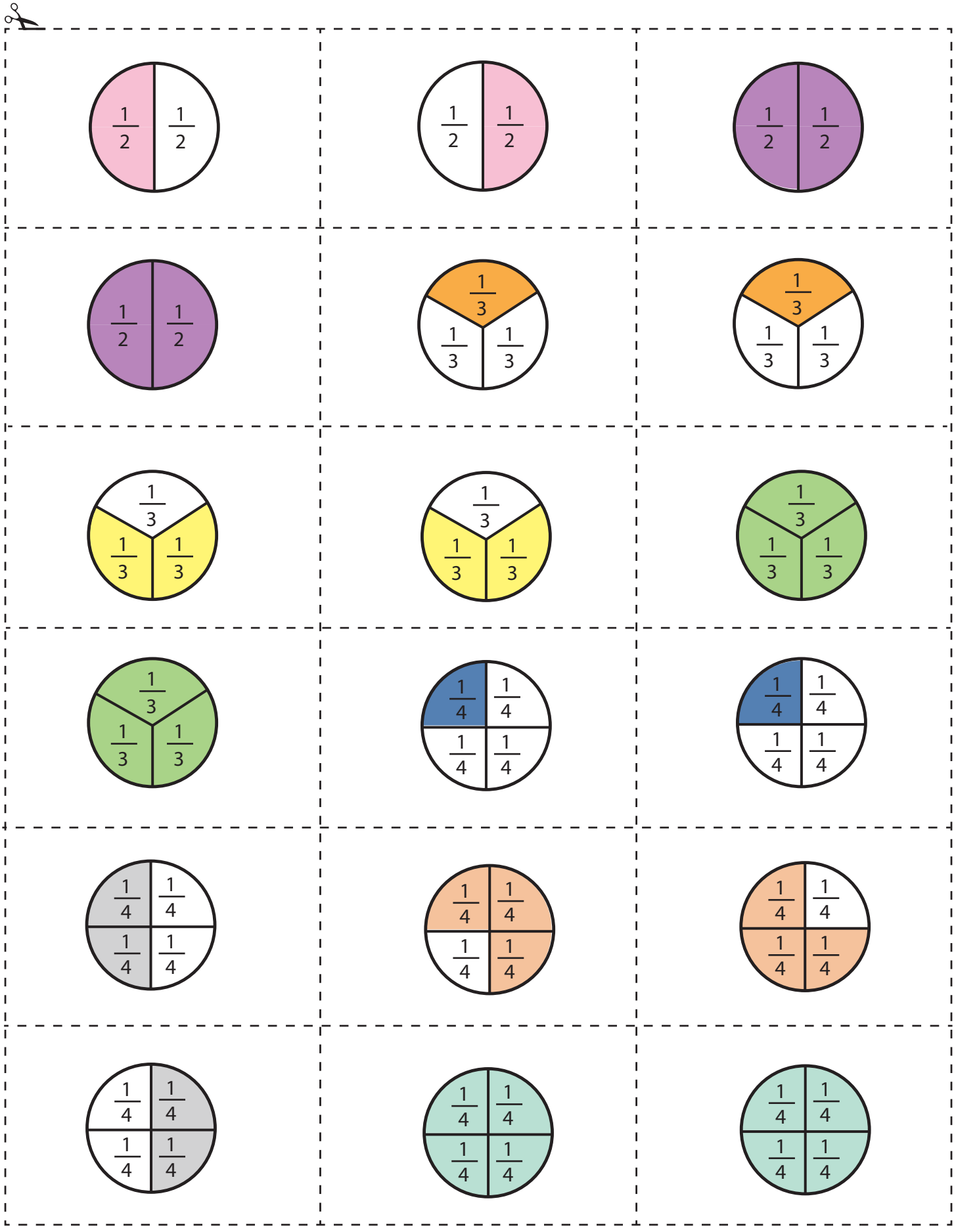
Step 2

Player 1 chooses one card in her hand to place back on the bottom of its card pile.
Player 1 chooses a new card from this pile.
If player 1 has a match, she places the match face up next to her.

Player 2 completes Step 2.

Players 1 and 2 continue playing until the first player has 3 matches.

Name _____ Date _____



Name _____ Date _____

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

DIPLOMA

Hereby bestowed upon

_____

for excellence in
completion of

_____

Answer Sheets

Learning About Equal and Unequal Shares

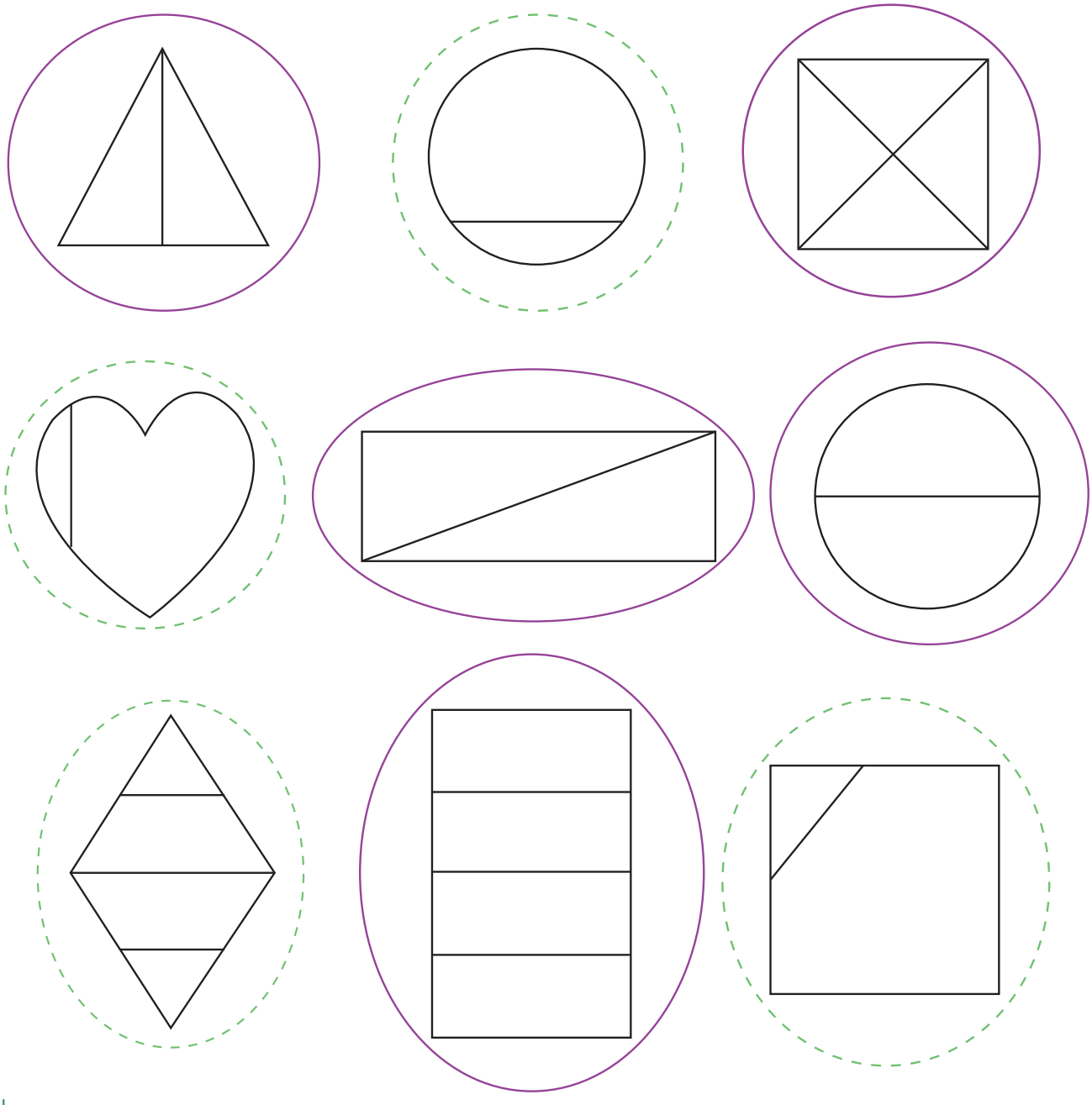
Answer Sheet

Name _____ Date _____

Learning About Equal and Unequal Shares

-If a shape is divided into parts that are of equal shape and size, it's divided into equal shares.
-If a shape is divided into parts that are of unequal shape and size, it's divided into unequal shares.

Directions:
Draw a purple circle around the shapes divided into equal shares. Then, draw a green circle around the shapes divided into unequal shares.



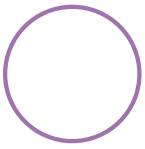
Answer Sheet

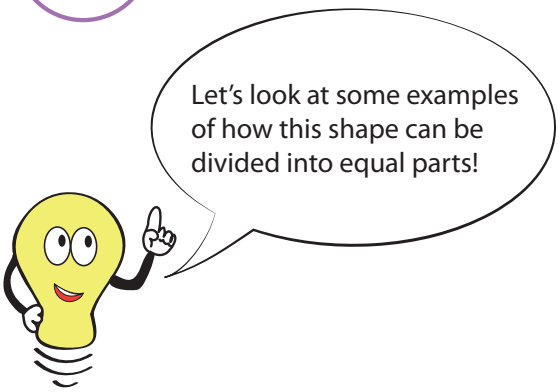
Name _____ Date _____

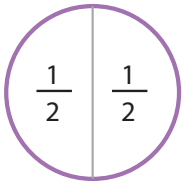
Learning About Equal Shares

ANSWERS

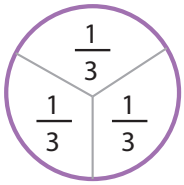
This purple circle represents one whole.
This shape can be divided into equal parts.



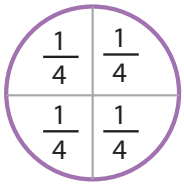




There are 2 halves.
Each equal part equals one half.



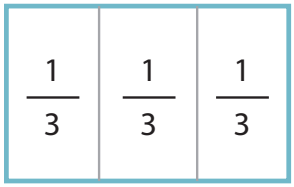
There are 3 thirds.
Each equal part equals one third.



There are 4 fourths.
Each equal part equals one fourth.

Write the number of equal parts you see in each of the wholes. Then, write the correct fraction in each equal part. *The first question has been completed for you.*

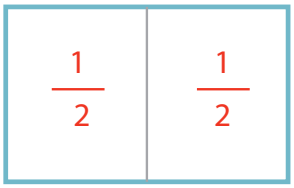
1.



3 equal parts

There are 3 **thirds**.

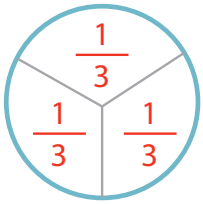
2.



2 equal parts

There are 2 **halves**.

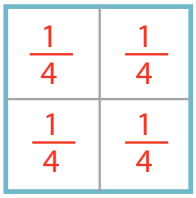
3.



3 equal parts

There are 3 **thirds**.

4.



4 equal parts

There are 4 **fourths**.

Answer Sheet

Name _____ Date _____

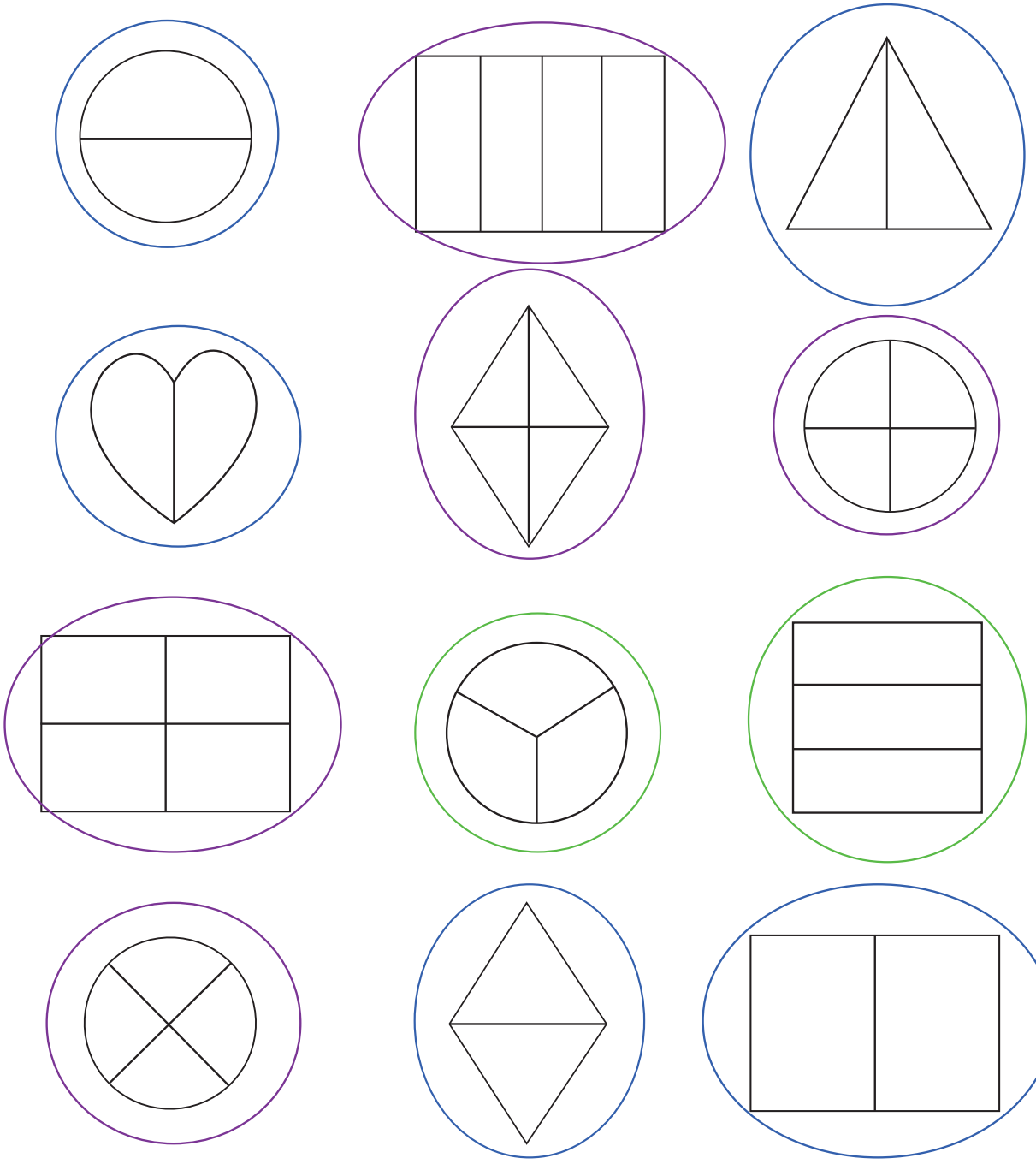
ANSWERS

Circle the Equal Parts

Draw a blue circle around the shapes showing two equal parts, or halves.

Draw a green circle around the shapes showing three equal parts, or thirds.

Use a purple circle around the shapes showing four equal parts, or fourths.



Answer Sheet

Name _____ Date _____

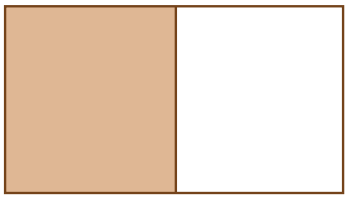
ANSWERS

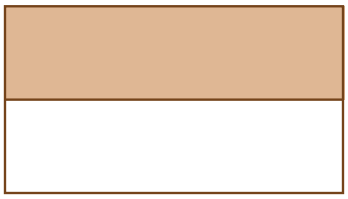
Draw Equal Parts

Dividing brownies into equal parts is an important and delicious job! Follow the directions below to divide the brownies in three different ways.

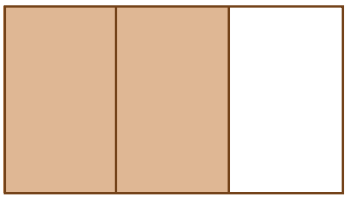
Directions:

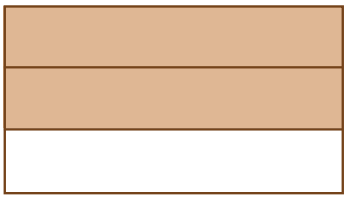
1) Show two ways to divide these brownies into two equal parts or halves. Then, shade 1/2 of each brownie.



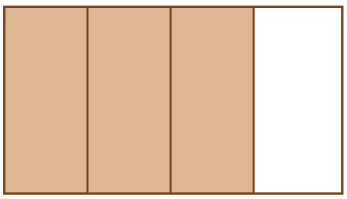


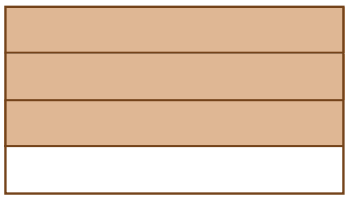
2) Show two ways to divide these brownies into three equal parts or thirds. Then, shade 2/3 of each brownie.



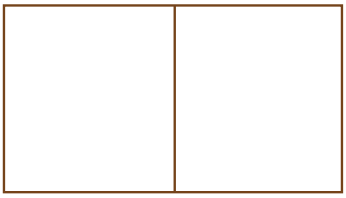


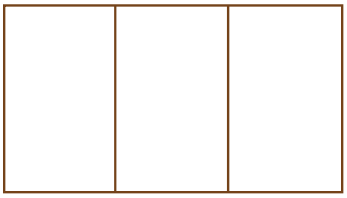
3) Show two ways to divide these brownies into four equal parts or fourths. Then, shade 3/4 of the brownie.

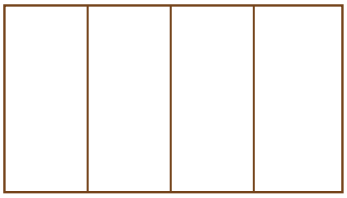




4) You have three brownies that are all the same size. The first brownie is cut into halves. The second brownie is cut into thirds. And the third brownie is cut into fourths. Which brownie has the largest pieces? Which brownie has the smallest pieces? Show your work in the space provided.







The brownie that is cut in half has the largest pieces.

The brownie that is cut into fourths has the smallest pieces.

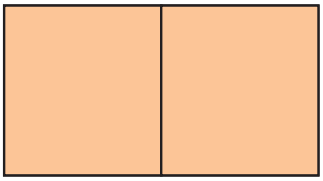
Answer Sheet

Name _____ Date _____

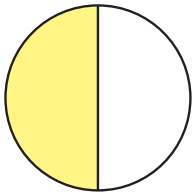
ANSWERS

Identifying Halves

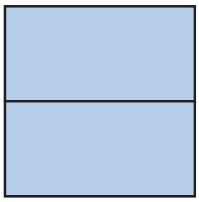
Write the correct fraction term that represents the shaded part of each shape: zero halves, one half, or two halves.



two halves



one half



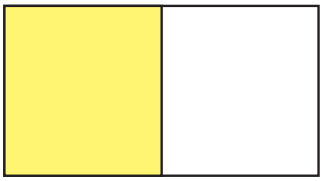
two halves

zero halves

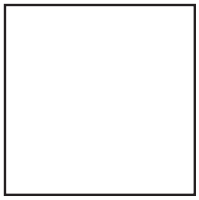
Write the correct fraction that represents the shaded part of each shape:

$\frac{0}{2}$, $\frac{1}{2}$, or $\frac{2}{2}$

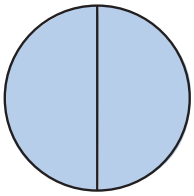
$\frac{1}{2}$



$\frac{1}{2}$



$\frac{0}{2}$



$\frac{2}{2}$

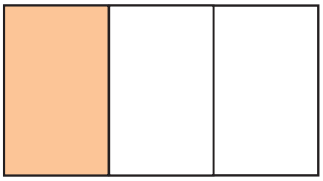
Answer Sheet

Name _____ Date _____

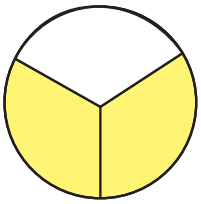
ANSWERS

Identifying Thirds

Write the correct fraction term that represents the shaded part of each shape: zero thirds, one third, two thirds, or three thirds.



one third



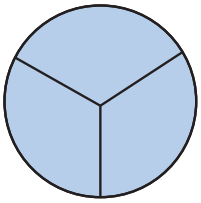
two thirds

three thirds

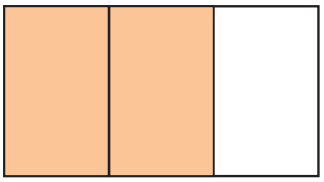
zero thirds

Write the correct fraction that represents the shaded part of each shape:

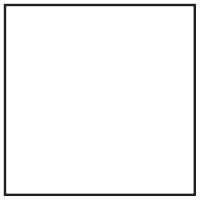
$\frac{0}{3}$, $\frac{1}{3}$, $\frac{2}{3}$ or $\frac{3}{3}$



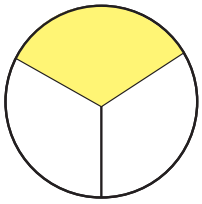
$\frac{3}{3}$



$\frac{2}{3}$



$\frac{0}{3}$



$\frac{1}{3}$

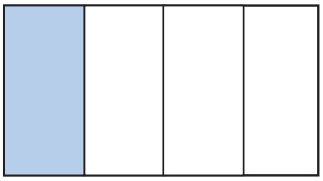
Answer Sheet

Name _____ Date _____

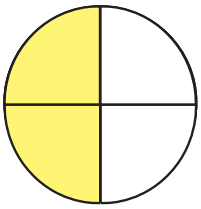
ANSWERS

Identifying Fourths

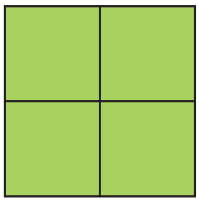
Write the correct fraction term that represents the shaded part of each shape: zero fourths, one fourth, two fourths, three fourths, or four fourths.



one fourth



two fourths

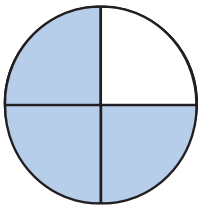


four fourths

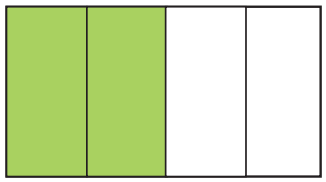
zero fourths

Write the correct fraction that represents the shaded part of each shape:

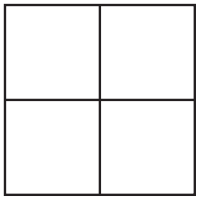
$\frac{0}{4}$, $\frac{1}{4}$, $\frac{2}{4}$ or $\frac{3}{4}$



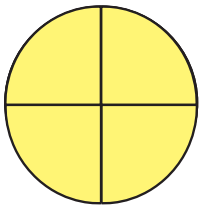
$\frac{3}{4}$



$\frac{2}{4}$



$\frac{0}{4}$



$\frac{4}{4}$

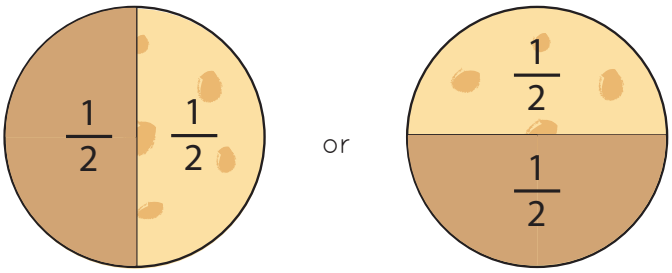
Answer Sheet

Name _____ Date _____

Fractions: Halves, Thirds, Fourths

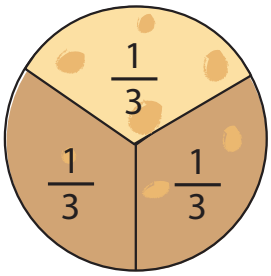
ANSWERS

1) Divide this cookie into two equal parts. Write 1/2 in each section of the cookie.



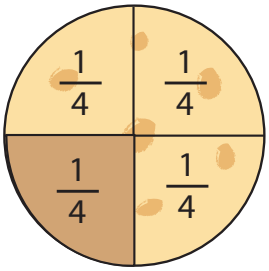
Now, shade 1/2 of this cookie.

2) Divide this cookie into three equal parts. Write 1/3 in each section of the cookie.



Now, shade 2/3 of this cookie.

3) Divide this cookie into four equal parts. Write 1/4 in each section of the cookie.



Now, shade 1/4 of this cookie.

4) Janice wants to divide a cookie into equal parts so that each of her three friends get the same portion of the cookie. Will Janice cut the cookie into halves, thirds or fourths?

thirds

Answer Sheet

Name _____ Date _____

ANSWERS

Find the Halves, Thirds and Fourths

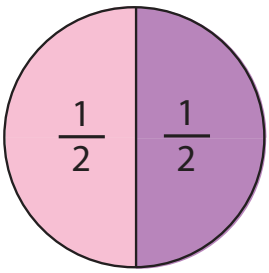
The circles below are divided into halves, thirds or fourths. Write the correct fraction in the blank space .

Example:

I see one whole circle.

½ of the circle is pink.

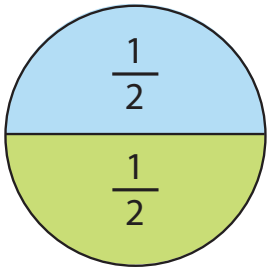
½ of the circle is purple.



I see one whole circle.

1/2 of the circle is green.

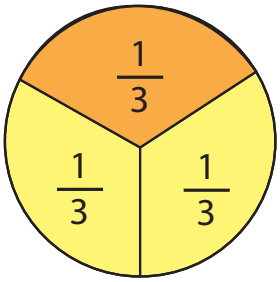
1/2 of the circle is blue.



I see one whole circle.

2/3 of the circle is orange.

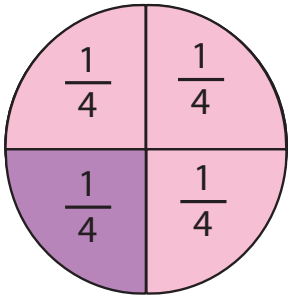
1/3 of the circle is yellow.



I see one whole circle.

1/4 of the circle is pink.

3/4 of the circle is purple.



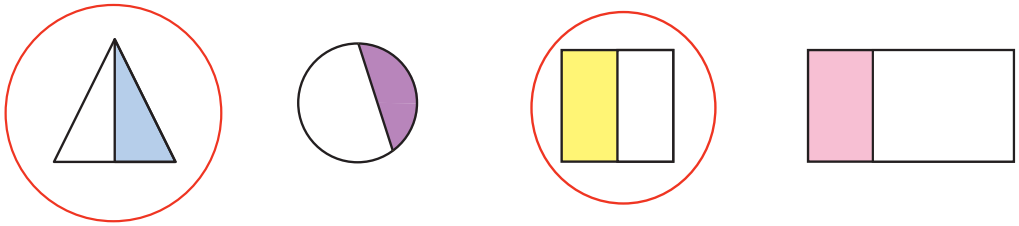
Answer Sheet

Name _____ Date _____

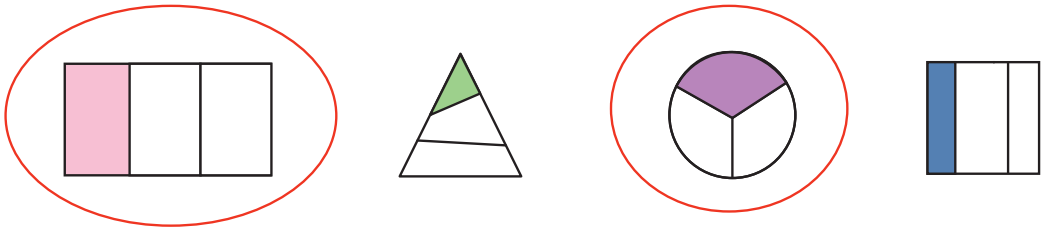
ANSWERS Identifying Halves, Thirds, and Fourths

Directions: Circle the correct shapes.

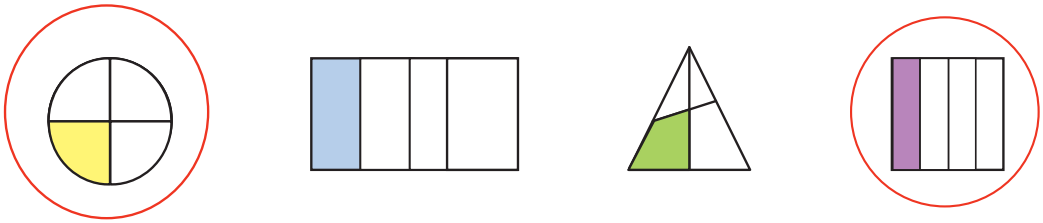
1) Circle the shapes that represent the fraction $\frac{1}{2}$.



2) Circle the shapes that represent the fraction $\frac{1}{3}$.



3) Circle the shapes that represent the fraction $\frac{1}{4}$.



4)

a. How many halves are there in a whole? There are 2 halves in a whole.

b. How many thirds are there in a whole? There are 3 thirds in a whole.

c. How many fourths are there in a whole? There are 4 fourths in a whole.

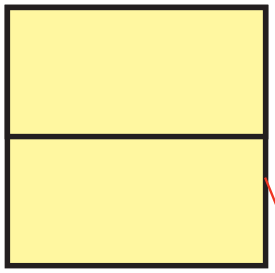
Answer Sheet

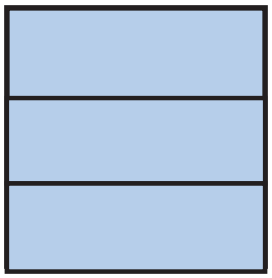
Name _____ Date _____

ANSWERS

Parts of a Whole

Directions: Match the image with the correct math sentence.





Four fourths make up a whole.

Three thirds make up a whole.

Two halves make up a whole.

Answer Sheet

Name _____ Date _____

ANSWERS

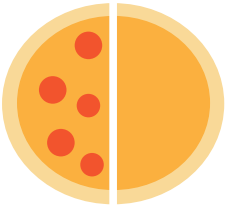
Pizza Fractions: Halves

Directions: Choose a fraction term from the word box to fill in the blank space.

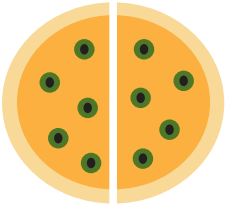
Two halves	One whole	One half	Two wholes	One fourth

Problem #1 Two halves or one whole of this pizza has cheese toppings.

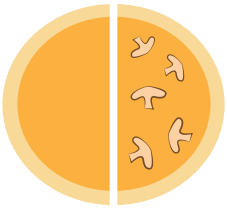
Problem #2 One half of this pizza has pepperoni.



Problem #3 Two halves or one whole of this pizza has olive toppings.



Problem #4 One half of this pizza has mushroom toppings.



Answer Sheet

Name _____ Date _____

ANSWERS

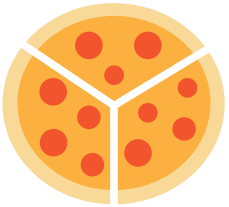
Pizza Fractions: Thirds

Directions: Choose a fraction term from the word box to fill in the blank space.

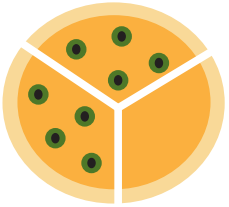
Three thirds or one whole	One third	Two thirds	One fourth

Problem #1 One third of this pizza has cheese toppings.

Problem #2 Three thirds of this pizza has pepperoni toppings.



Problem #3 Two thirds of this pizza has olive toppings.



Problem #4 One third of this pizza has mushroom toppings.

Answer Sheet

Name _____ Date _____

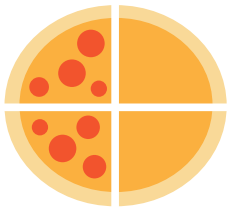
Pizza Fractions: Fourths

Directions: Choose a fraction term from the word box to fill in the blank space.

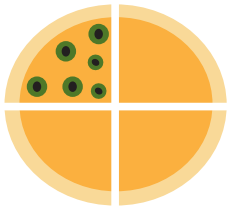
Four fourths or one whole	One fourth	Two fourths	Three fourths

Problem #1 Four fourths or one whole of this pizza has cheese toppings.

Problem #2 Two fourths of this pizza has pepperoni toppings.



Problem #3 One fourth of this pizza has olive toppings.



Problem #4 Three fourths of this pizza has mushroom toppings.