Learning About Equal and Unequal Shares



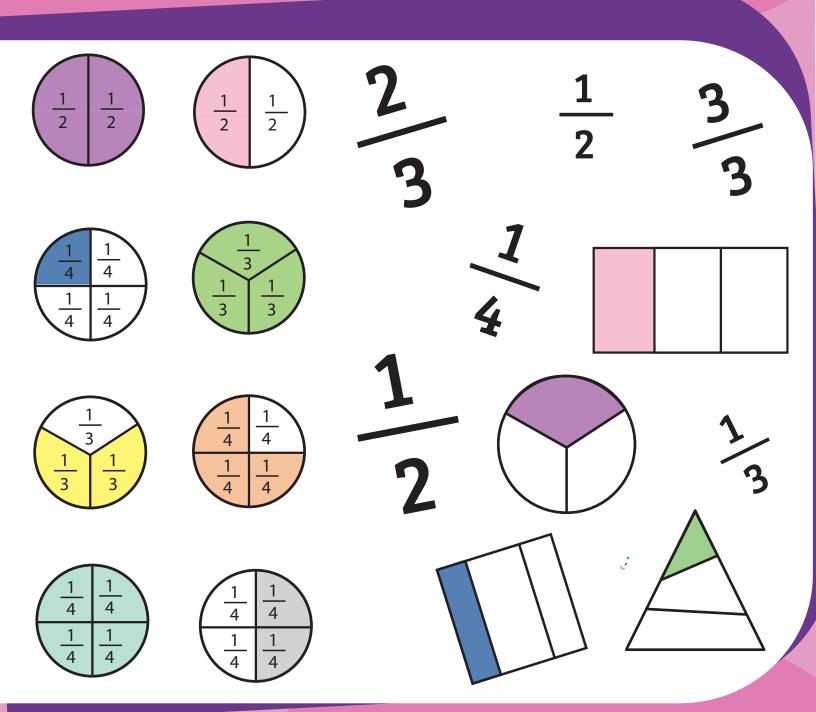


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identifying halves

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Certificate of Completion

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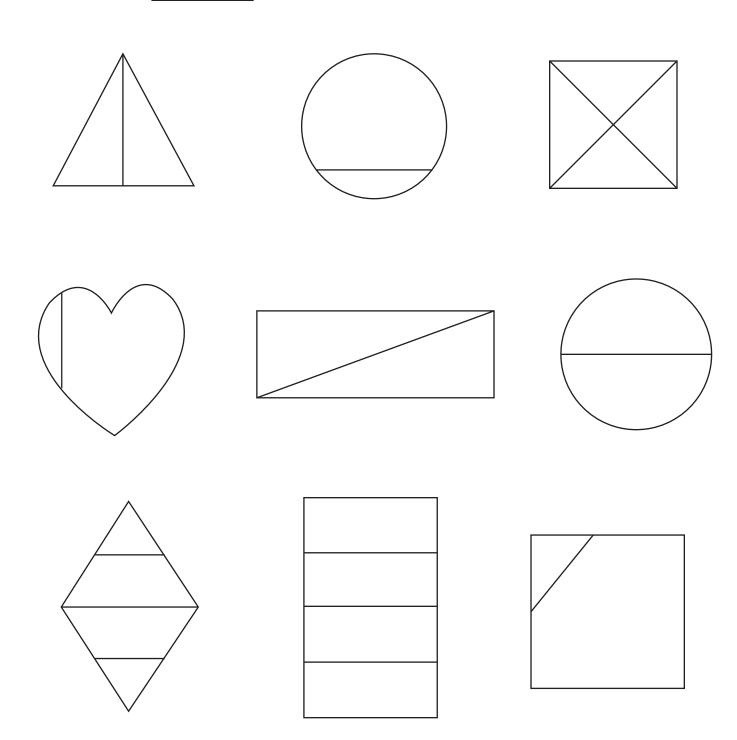
^{*} Includes Answer Sheet

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.

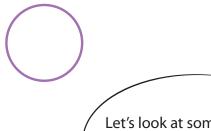
Directions:

Draw a purple circle around the shapes divided into <u>equal shares</u>. Then, draw a green circle around the shapes divided into unequal shares.

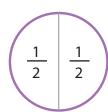


Learning About Equal Shares

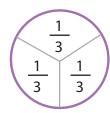
This purple circle represents one whole. This shape can be divided into equal parts.



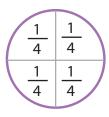
Let's look at some examples of how this shape can be divided into equal parts!



There are 2 <u>halves.</u> Each equal part equals one half.



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



There are 4 <u>fourths.</u> 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.

1	1	1
3	3	3

3 equal parts

There are 3 **thirds**

2.



_____ equal parts

There are 2 ______.

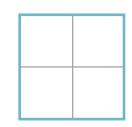
3.



____ equal parts

There are 3 ______.

4.



____ equal parts

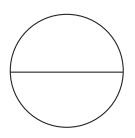
There are 4 .

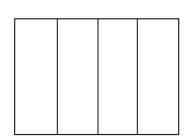
Circle the Equal Parts

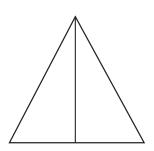
Draw a blue circle around the shapes showing two equal parts, or halves.

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

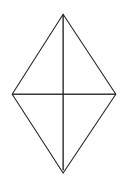
Use a purple circle around the shapes showing four equal parts, or fourths.

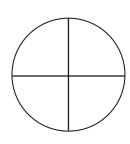


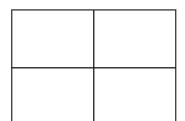


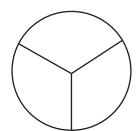




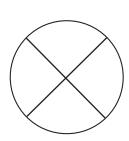


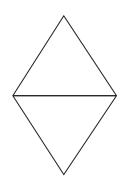












Name			

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.

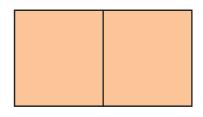
 2) Show two ways to divide these brownies into three equal parts or thirds. Then, shade 2/3 of each brownie.

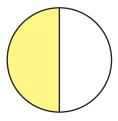
 3) Show two ways to divide these brownies into four equal parts or fourths. Then, shade 3/4 of the brownie.
- 4) You have three brownies that are all the same size. The first brownie is cut into halves. The second brownie is cut into thirds. And the third brownie is cut into fourths. Which brownie has the largest pieces? Which brownie has the smallest pieces? Show your work in the space provided.

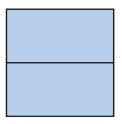
	1	
	l	

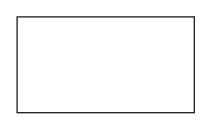
Identifying Halves

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



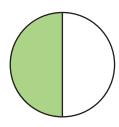


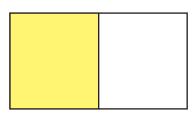




Write the correct fraction that represents the shaded part of each shape:

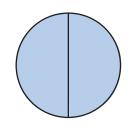
 $\frac{0}{2}$, $\frac{1}{2}$, or $\frac{2}{2}$





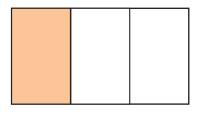


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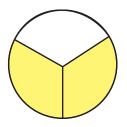


Identifying Thirds

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



- - - - - - - - - - - - - - - -

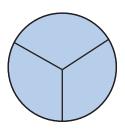


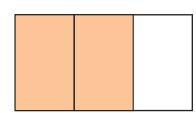


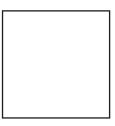


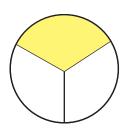
Write the correct fraction that represents the shaded part of each shape:

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



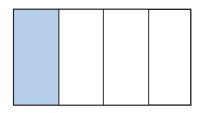




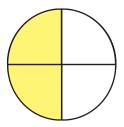


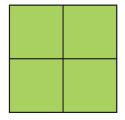
Identifying Fourths

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



- - - - - - - - - - - - - - - - - - -

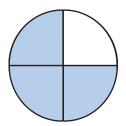


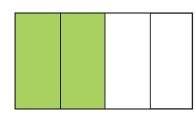


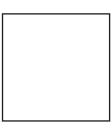


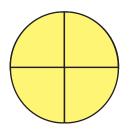
Write the correct fraction that represents the shaded part of each shape:

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





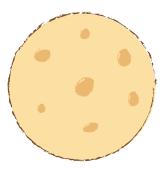




Fractions: Halves, Thirds, Fourths

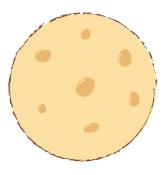


1) Divide this cookie into two equal parts. Write 1/2 in each section of the cookie.



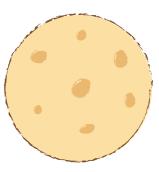
Now, shade 1/2 of this cookie.

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?

Find the Halves, Thirds and Fourths

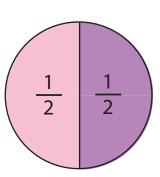
The circles below are divided into halves, thirds or fourths. Write the correct fraction in the blank space .

Example:

I see one whole circle.

 $\frac{1}{2}$ of the circle is pink.

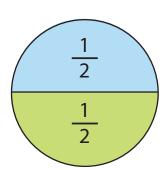
½ of the circle is purple.



I see one whole circle.

____ of the circle is green.

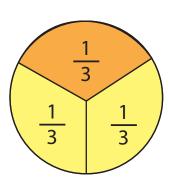
____ of the circle is blue.



I see one whole circle.

____ of the circle is orange.

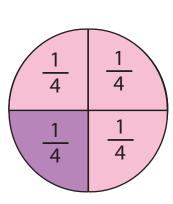
____ of the circle is yellow.



I see one whole circle.

____ of the circle is pink.

____ of the circle is purple.



Identifying Halves, Thirds, and Fourths

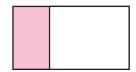
Directions: Circle the correct shapes.

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

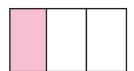








2) Circle the shapes that represent the fraction $\frac{1}{3}$.









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









4)

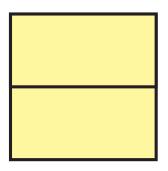
a. How many halves are there in a whole? _____

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

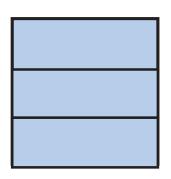
c. How many fourths are there in a whole? _____

Parts of a Whole

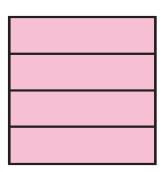
Directions: Match the image with the correct math sentence.



Four fourths make up a whole.



Three thirds make up a whole.



Two halves make up a whole.

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

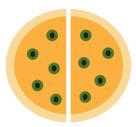
Problem #1 ______of this pizza has cheese toppings.



Problem #2 _____ of this pizza has pepperoni.



Problem #3 _____ of this pizza has olive toppings.



Problem #4 of this pizza has mushroom toppings.



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.



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.



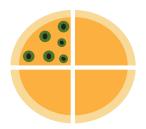
Problem #2

_____ of this pizza has pepperoni toppings.



Problem #3

_____ of this pizza has olive toppings.



Problem #4

of this pizza has mushroom toppings.



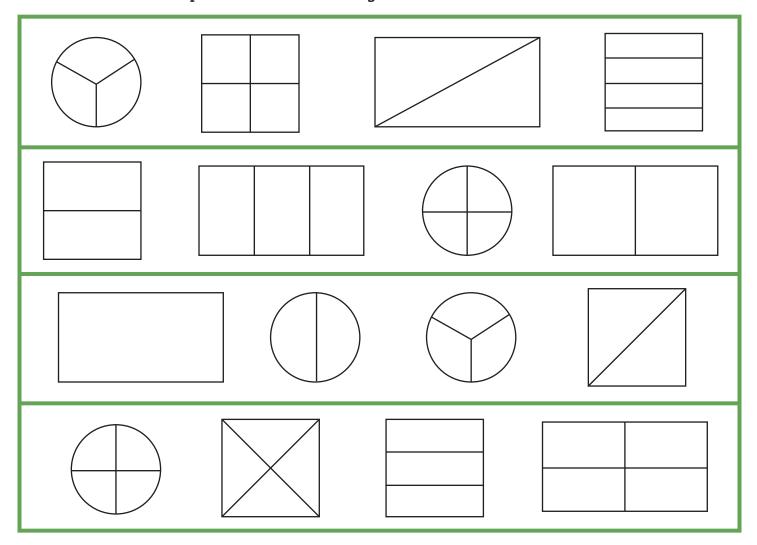
Spin to Win: Fractions

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.



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

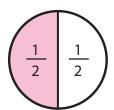
Player 1 chooses one card in her hand to place back on the bottom of its card pile. Player 1 chooses a new card from this pile.

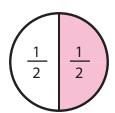
If player 1 has a match, she places the match face up next to her.

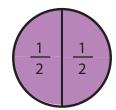
Player 2 completes Step 2.

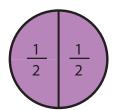
Players 1 and 2 continue playing until the first player has 3 matches.











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

$$\begin{array}{c|c}
\hline
\frac{1}{3} \\
\hline
\frac{1}{3} \\
\hline
\frac{1}{3}
\end{array}$$

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

$$\begin{array}{c|c}
\hline
\frac{1}{3} \\
\hline
\frac{1}{3} \\
\hline
\frac{1}{3}
\end{array}$$

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

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

$$\begin{array}{c|c}
\hline
\frac{1}{4} & \frac{1}{4} \\
\hline
\frac{1}{4} & \frac{1}{4}
\end{array}$$

$$\begin{array}{c|c}
\hline
\frac{1}{4} & \frac{1}{4} \\
\hline
\frac{1}{4} & \frac{1}{4}
\end{array}$$

$$\begin{array}{c|c}
\hline
\frac{1}{4} & \frac{1}{4} \\
\hline
\frac{1}{4} & \frac{1}{4}
\end{array}$$

$$\begin{array}{c|c}
\hline
\frac{1}{4} & \frac{1}{4} \\
\hline
\frac{1}{4} & \frac{1}{4}
\end{array}$$

$$\begin{array}{|c|c|}
\hline
\frac{1}{4} & \frac{1}{4} \\
\hline
\frac{1}{4} & \frac{1}{4}
\end{array}$$

$$\begin{array}{c|c}
\hline
\frac{1}{4} & \frac{1}{4} \\
\hline
\frac{1}{4} & \frac{1}{4}
\end{array}$$

$$\begin{array}{c|c}
\hline
\frac{1}{4} & \frac{1}{4} \\
\hline
\frac{1}{4} & \frac{1}{4}
\end{array}$$

$$\begin{array}{c|c}
\hline
\frac{1}{4} & \frac{1}{4} \\
\hline
\frac{1}{4} & \frac{1}{4}
\end{array}$$

1 2

1 2

<u>1</u> 3

<u>1</u> 3 2 2

2 2

2 3

2 3

3

 $\frac{1}{4}$

 $\frac{1}{4}$

3

2 4

 $\frac{3}{4}$

<u>3</u> 4

2 4

4 4

4



DIPLOMA

Hereby bestowed upon

for excellence in completion of

Learning About Equal and Unequal Shares

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Learning About Equal Shares
Circle the Equal Parts
Draw Equal Parts
Identifying Halves
Identifying Thirds
Identifying Fourths
Fractions: Halves, Thirds, Fourths
Find the Halves, Thirds, and Fourths
Identifying Halves, Thirds, and Fourths
Parts of a Whole

Pizza Fractions: Halves Pizza Fractions: Thirds Pizza Fractions: Fourths

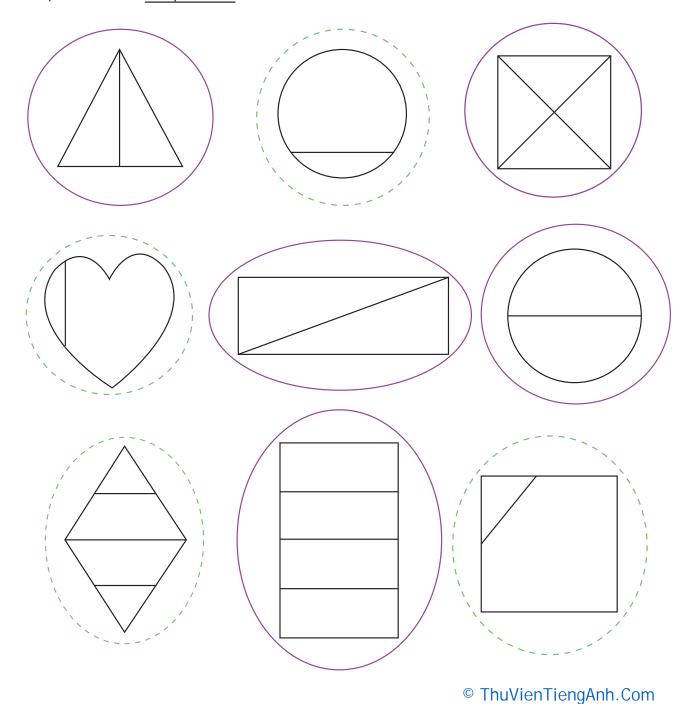
Name	Data
Name	- Date

Learning About Equal and Unequal Shares

- -If a shape is divided into parts that are of equal shape and size, it's divided into <u>equal shares</u>.
- -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 <u>equal shares</u>. Then, draw a green circle around the shapes divided into unequal shares.



Name _____

Date

Learning About Equal Shares

ANSWERS

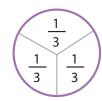
This purple circle represents one whole. This shape can be divided into equal parts.



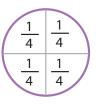
Let's look at some examples of how this shape can be divided into equal parts!



There are 2 <u>halves.</u> Each equal part equals one half.



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



There are 4 <u>fourths.</u> 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.*

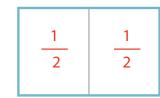
1.

1	1	1
3	3	3

3 equal parts

There are 3 **thirds**

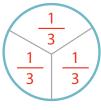
2.



2 equal parts

There are 2 **halves**

3.



_____ equal parts

There are 3 **thirds**

4.

1 4	1 4
1 4	1 4

4 equal parts

There are 4 **fourths** .

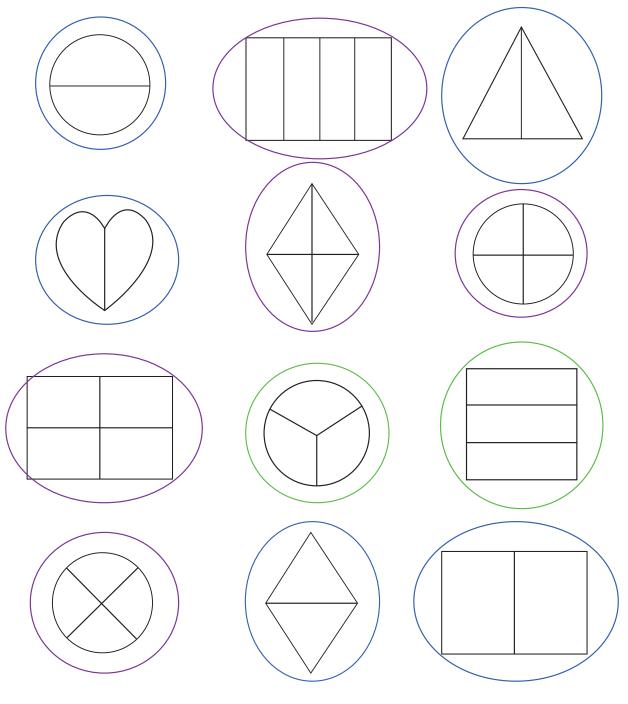
Name	Data
Name	Dule

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.



ANSWERS	Draw Equal Parts
_	equal parts is an important and delicious job! Follow the directions below to three different ways.
Directions:	
1) Show two ways to div	de these brownies into two equal parts or halves. Then, shade 1/2 of each brownie
2) Show two ways to di	ide these brownies into three equal parts or thirds. Then, shade 2/3 of each browni
3) Show two ways to di	ide these brownies into four equal parts or fourths. Then, shade 3/4 of the brownie
brownie is cut into thir	nies that are all the same size. The first brownie is cut into halves. The second ls. And the third brownie is cut into fourths. Which brownie has the largest pieces smallest pieces? Show your work in the space provided.
	cut in half has the largest pieces.

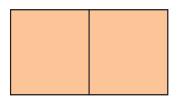
Name

Date____

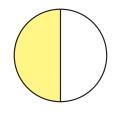
ANSWERS

Identifying Halves

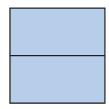
Write the correct fraction term that represents the shaded part of each shape: zero halves, one half, or two halves.



two halves



one half



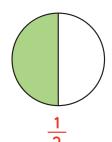
two halves



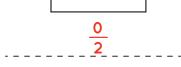
zero halves

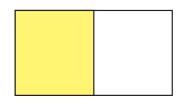
Write the correct fraction that represents the shaded part of each shape:

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

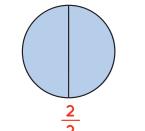








1/2



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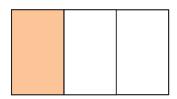
Name

Date____

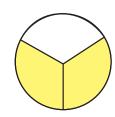
ANSWERS

Identifying Thirds

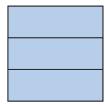
Write the correct fraction term that represents the shaded part of each shape: zero thirds, one third, two thirds, or three thirds.



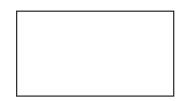
one third



two thirds



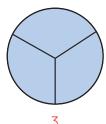
three thirds



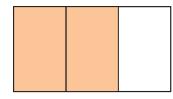
zero thirds

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

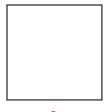
$$\frac{0}{3}$$
, $\frac{1}{3}$, $\frac{2}{3}$ or $\frac{3}{3}$



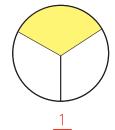
<u>.</u>



 $\frac{2}{3}$



<u>-</u>



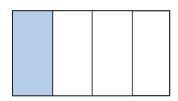
3

Date___

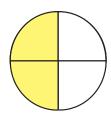
ANSWERS

Identifying Fourths

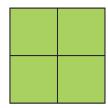
Write the correct fraction term that represents the shaded part of each shape: zero fourths, one fourth, two fourths, three fourths, or four fourths.



one fourth



two fourths



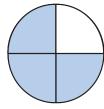
four fourths

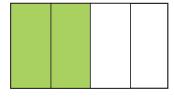


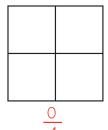
zero fourths

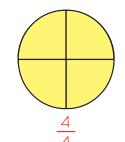
Write the correct fraction that represents the shaded part of each shape:

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









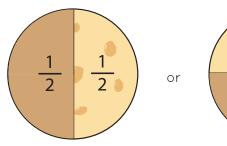
NameDate	

Fractions: Halves, Thirds, Fourths



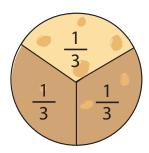
ANSWERS

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



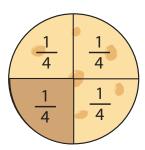
Now, shade 1/2 of this cookie.

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		

Name

Date

ANSWERS Find the Halves, Thirds and Fourths

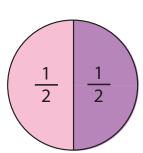
The circles below are divided into halves, thirds or fourths. Write the correct fraction in the blank space .

Example:

I see one whole circle.

 $\frac{1}{2}$ of the circle is pink.

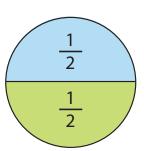
1/2 of the circle is purple.



I see one whole circle.

of the circle is green.

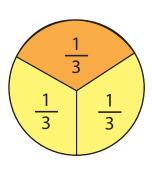
 $\frac{1}{2}$ of the circle is blue.



I see one whole circle.

²/₃ of the circle is orange.

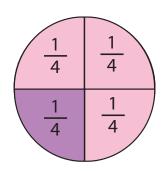
of the circle is yellow.



I see one whole circle.

 $\frac{1}{4}$ of the circle is pink.

 $\frac{3}{4}$ of the circle is purple.



Name

Date____

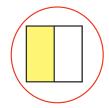
ANSWERS Identifying Halves, Thirds, and Fourths

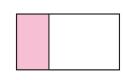
Directions: Circle the correct shapes.

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

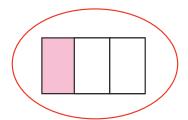




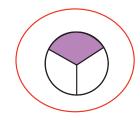




2) Circle the shapes that represent the fraction $\frac{1}{3}$.



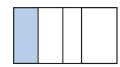




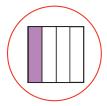


3) Circle the shapes that represent the fraction $\frac{1}{4}$.









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.

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.

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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

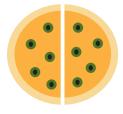
Problem #1 Two halves or one whole of this pizza has cheese toppings.



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.



Pizza Fractions: Thirds ANSWERS 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 One third _____ of this pizza has cheese toppings. Problem #1 Three thirds of this pizza has pepperoni toppings. Problem #2 Problem #3 Two thirds _____ of this pizza has olive toppings. Problem #4 One third 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

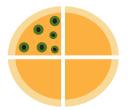
Problem #1 Four fourths or one whole of this pizza has cheese toppings.



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.

