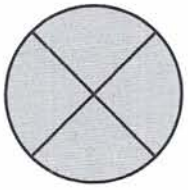
Name _____

Equal Parts of a Whole

Common Core **COMMON CORE STANDARD—3.NF.A.1**
Develop understanding of fractions as numbers.

Write the number of equal parts. Then write the name for the parts.

1. 

4 equal parts

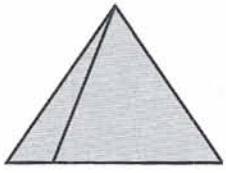
fourths

2. 

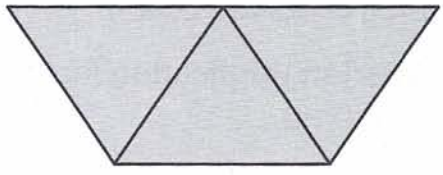
_____ equal parts

_____

Write whether the shape is divided into *equal* parts or *unequal* parts.

3. 

_____ parts

4. 

_____ parts

Problem Solving Real World

5. Diego cuts a round pizza into eight equal slices. What is the name for the parts?

_____

6. Madison is making a place mat. She divides it into 6 equal parts to color. What is the name for the parts?

_____

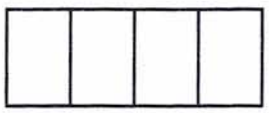
7. WRITE Math Describe how 4 friends could share a sandwich equally.

_____

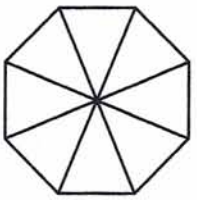
_____

Lesson Check (3.NF.A.1)

1. How many equal parts are in this shape?



2. What is the name for the equal parts of the whole?



Spiral Review (3.OA.A.3, 3.OA.C.7)

3. Use a related multiplication fact to find the quotient.

$49 \div 7 =$

4. Find the unknown factor and quotient.

$9 \times \square = 45$

$45 \div 9 = \square$

5. There are 5 pairs of socks in one package. Matt buys 3 packages of socks. How many pairs of socks does Matt buy?

6. Mrs. McCarr buys 9 packages of markers for an art project. Each package has 10 markers. How many markers does Mrs. McCarr buy?

Name _____

Equal Shares

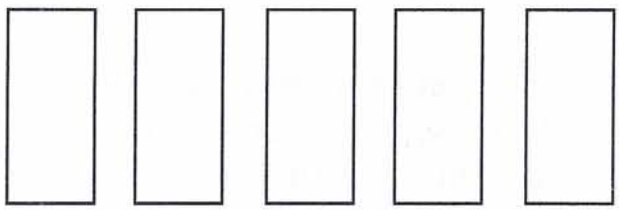
Common Core **COMMON CORE STANDARD—3.NF.A.1**
Develop understanding of fractions as numbers.

Draw lines to show how much each person gets. Write the answer.

1. 6 friends share 3 sandwiches equally.

3 sixths of a sandwich

2. 4 teammates share 5 granola bars equally. Draw to show how much each person gets. Shade the amount that one person gets. Write the answer.



Problem Solving Real World

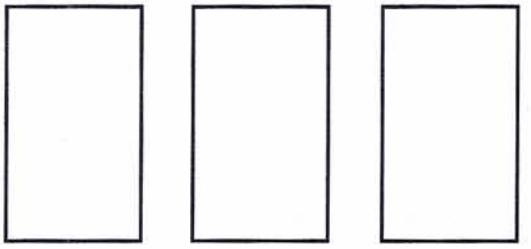
3. Three brothers share 2 sandwiches equally. How much of a sandwich does each brother get?

4. Six neighbors share 4 pies equally. How much of a pie does each neighbor get?

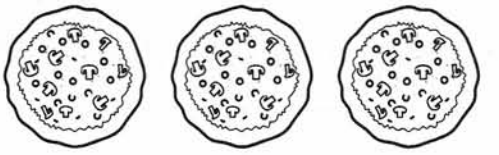
5. WRITE Math Draw a diagram to show 3 pizzas shared equally among 6 friends.

Lesson Check (3.NF.A.1)

1. Two friends share 3 fruit bars equally. How much does each friend get?



2. Four brothers share 3 pizzas equally. How much of a pizza does each brother get?



Spiral Review (3.OA.A.3, 3.OA.C.7, 3.NBT.A.2)

3. Find the quotient.

$3\overline{)27}$

4. Tyrice put 4 cookies in each of 7 bags. How many cookies in all did he put in the bags?

5. Ryan earned $5 per hour raking leaves. He earned $35. How many hours did he rake leaves?

6. Hannah has 229 horse stickers and 164 kitten stickers. How many more horse stickers than kitten stickers does Hannah have?

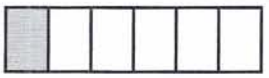
FOR MORE PRACTICE GO TO THE Personal Math Trainer

Name _____

Unit Fractions of a Whole

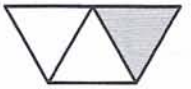
Common Core **COMMON CORE STANDARD—3.NF.A.1**
Develop understanding of fractions as numbers.

Write the number of equal parts in the whole. Then write the fraction that names the shaded part.

1. 

6 equal parts

$\frac{1}{6}$

2. 

_____ equal parts

_____

Draw a picture of the whole.

3. $\frac{1}{3}$ is 

4. $\frac{1}{8}$ is 

Problem Solving Real World

5. Tyler made a pan of cornbread. He cut it into 8 equal pieces and ate 1 piece. What fraction of the cornbread did Tyler eat?

_____

6. Anna cut an apple into 4 equal pieces. She gave 1 piece to her sister. What fraction of the apple did Anna give to her sister?

_____

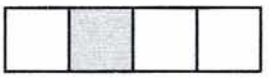
7. WRITE Math Draw a picture to show what 1 out of 3 equal parts looks like. Then write the fraction.

_____

_____

Lesson Check (3.NF.A.1)

1. What fraction names the shaded part?



2. Tasha cut a fruit bar into 3 equal parts. She ate 1 part. What fraction of the fruit bar did Tasha eat?

Spiral Review (3.OA.A.3, 3.OA.B.5, 3.MD.B.3)

3. Alex has 5 lizards. He divides them equally among 5 cages. How many lizards does Alex put in each cage?

4. Find the product.

$8 \times 1 = \square$

5. Leo bought 6 chew toys for his new puppy. Each chew toy cost $4. How much did Leo spend for the chew toys?

6. Lilly is making a picture graph. Each picture of a star is equal to two books she has read. The row for the month of December has 3 stars. How many books did Lilly read during the month of December?

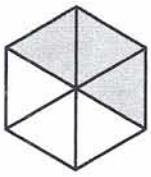
FOR MORE PRACTICE GO TO THE Personal Math Trainer

Name _____

Fractions of a Whole

COMMON CORE STANDARD—3.NF.A.1
Develop understanding of fractions as numbers.

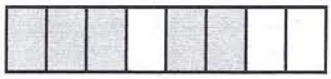
Write the fraction that names each part. Write a fraction in words and in numbers to name the shaded part.

1. 

Each part is $\frac{1}{6}$.

three sixths

$\frac{3}{6}$

2. 

Each part is _____.

_____ eighths

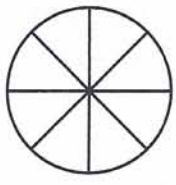
_____

Shade the fraction circle to model the fraction. Then write the fraction in numbers.

3. four out of six

_____

4. eight out of eight



_____

Problem Solving Real World

5. Emma makes a poster for the school's spring concert. She divides the poster into 8 equal parts. She uses two of the parts for the title. What fraction of the poster does Emma use for the title?

_____

6. Lucas makes a flag. It has 6 equal parts. Five of the parts are red. What fraction of the flag is red?

_____

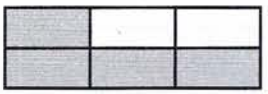
7. WRITE Math Draw a rectangle and divide it into 4 equal parts. Shade 3 parts. Then write the fraction that names the shaded part.

_____

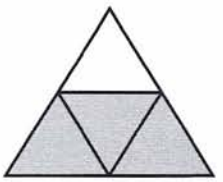
_____

Lesson Check (3.NF.A.1)

1. What fraction names the shaded part?



2. What fraction names the shaded part?



Spiral Review (3.OA.C.7, 3.NBT.A.2, 3.MD.B.3)

3. Sarah biked for 115 minutes last week. Jennie biked for 89 minutes last week. How many minutes did the girls bike?

4. Harrison made a building using 124 blocks. Greyson made a building using 78 blocks. How many more blocks did Harrison use than Greyson?

5. Von buys a bag of 24 dog treats. He gives his puppy 3 treats a day. How many days will the bag of dog treats last?

6. How many students chose swimming?

Favorite Activity	
Skating	☺☺
Swimming	☺☺☺☺☺
Biking	☺☺☺☺
Key: Each ☺ = 5 votes.	

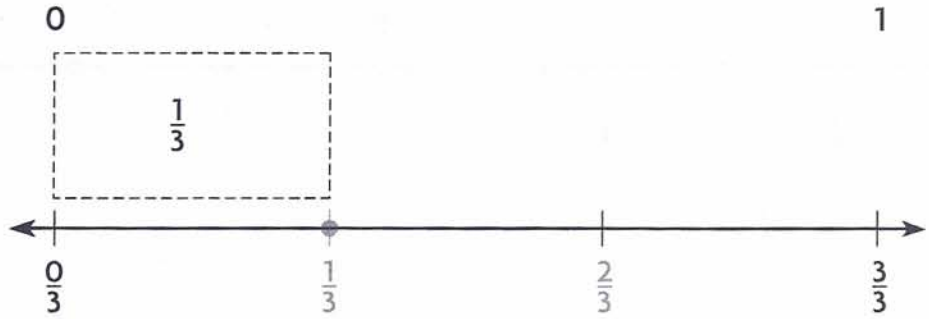
Name _____

Fractions on a Number Line

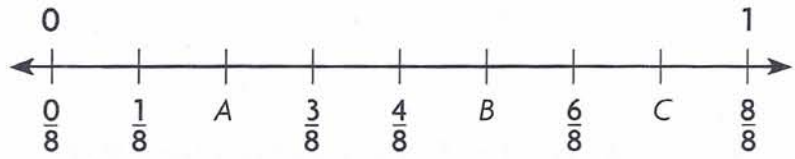
COMMON CORE STANDARDS—3.NF.A.2a, 3.NF.A.2b *Develop understanding of fractions as numbers.*

Use fraction strips to help you complete the number line. Then locate and draw a point for the fraction.

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



Write the fraction that names the point.



2. point A _____ 3. point B _____ 4. point C _____

Problem Solving

5. Jade ran 6 times around her neighborhood to complete a total of 1 mile. How many times will she need to run to complete $\frac{5}{6}$ of a mile?

_____

6. A missing fraction on a number line is located exactly halfway between $\frac{3}{6}$ and $\frac{5}{6}$. What is the missing fraction?

_____

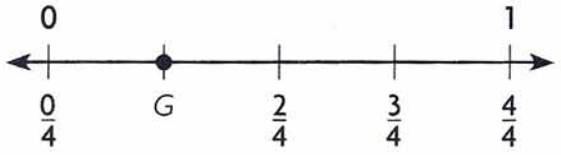
7. WRITE Math Explain how showing fractions with models and a number line are alike and different.

_____

_____

Lesson Check (3.NF.A.2a, 3.NF.A.2b)

1. What fraction names point G on the number line?



2. What fraction names point R on the number line?

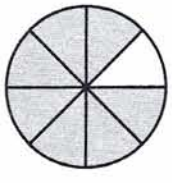
Spiral Review (3.OA.B.5, 3.OA.C.7, 3.NF.A.1)

3. Each table in the cafeteria can seat 10 students. How many tables are needed to seat 40 students?

4. Use the Commutative Property of Multiplication to write a related number sentence.

$4 \times 9 = 36$

5. Pedro shaded part of a circle. What fraction names the shaded part?



6. Find the quotient.

$8 \div 1 = \square$

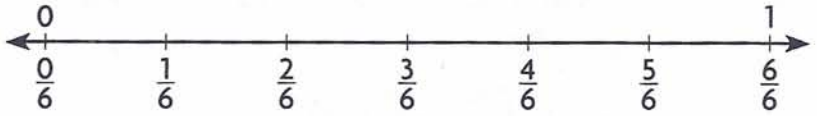
FOR MORE PRACTICE GO TO THE Personal Math Trainer

Name _____

Relate Fractions and Whole Numbers

Common Core **COMMON CORE STANDARD—3.NF.A.3c**
Develop an understanding of fractions as numbers.

Use the number line to find whether the two numbers are equal. Write *equal* or *not equal*.



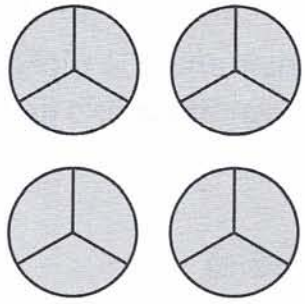
1. $\frac{0}{6}$ and 1 — not equal

2. 1 and $\frac{6}{6}$ _____

3. $\frac{1}{6}$ and $\frac{6}{6}$ _____

Each shape is 1 whole. Write a fraction for the parts that are shaded.

4.  1 = _____

5.  4 = _____

Problem Solving Real World

6. Rachel jogged along a trail that was $\frac{1}{4}$ of a mile long. She jogged along the trail 8 times. How many miles did Rachel jog?

_____

7. Jon ran around a track that was $\frac{1}{8}$ of a mile long. He ran around the track 24 times. How many miles did Jon run?

_____

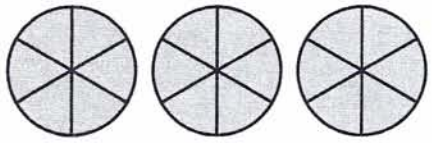
8. WRITE Math Write a problem that uses a fraction greater than 1.

_____

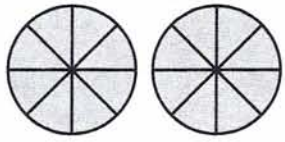
_____

Lesson Check (3.NF.A.3c)

1. Each shape is 1 whole. What fraction greater than 1 names the parts that are shaded?



2. Each shape is 1 whole. What fraction greater than 1 names the parts that are shaded?



Spiral Review (3.OA.A.3, 3.OA.C.7, 3.NBT.A.2, 3.NF.A.1)

3. Tara has 598 pennies and 231 nickels. How many pennies and nickels does she have?

$$\begin{array}{r} 598 \\ +\ 231 \\ \hline \end{array}$$

4. Dylan read 6 books. Kylie read double the number of books that Dylan read. How many books did Kylie read?

5. Alyssa divides a granola bar into halves. How many equal parts are there?

6. There are 4 students in each small reading group. If there are 24 students in all, how many reading groups are there?

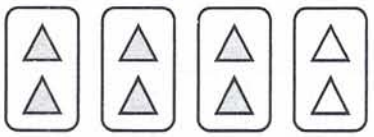
FOR MORE PRACTICE GO TO THE Personal Math Trainer

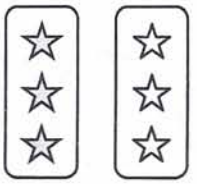
Name _____

Fractions of a Group

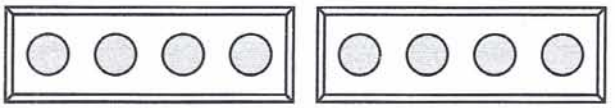
Common Core **COMMON CORE STANDARD—3.NF.A.1**
Develop understanding of fractions as numbers.

Write a fraction to name the shaded part of each group.

1.  $\frac{6}{8}$ or $\frac{3}{4}$

2.  _____

Write a whole number and a fraction greater than 1 to name the part filled. Think: 1 container = 1

3.  _____ _____

4.  _____ _____

Draw a quick picture. Then, write a fraction to name the shaded part of the group.

5. Draw 4 circles.
   Shade 2 circles.

   _____

6. Draw 6 circles.
   Make 3 groups.
   Shade 1 group.

   _____

Problem Solving Real World

7. Brian has 3 basketball cards and 5 baseball cards. What fraction of Brian's cards are baseball cards?

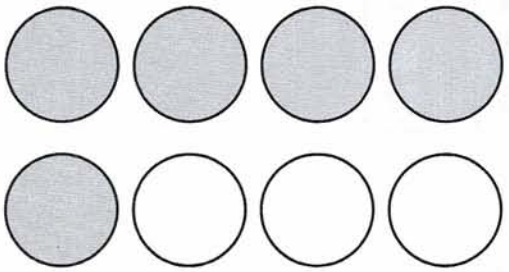
   _____

8. WRITE Math Draw a set of objects where you can find a fractional part of the group using the total number of objects and by using subgroups.

   _____

Lesson Check (3.NF.A.1)

1. What fraction of the group is shaded?



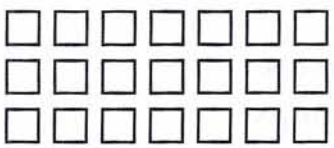
_____

2. What fraction of the group is shaded?

_____

Spiral Review (3.OA.A.3, 3.OA.C.7, 3.NBT.A.2)

3. What multiplication number sentence does the array represent?



_____

_____

_____

4. Juan has 436 baseball cards and 189 football cards. How many more baseball cards than football cards does Juan have?

_____

_____

_____

5. Sydney bought 3 bottles of glitter. Each bottle of glitter cost $6. How much did Sydney spend on the bottles of glitter?

_____

6. Add.

$$\begin{array}{r} 262 \\ +\ 119 \\ \hline \end{array}$$

FOR MORE PRACTICE GO TO THE Personal Math Trainer

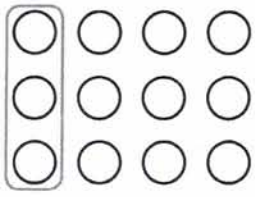
Name _____

Find Part of a Group Using Unit Fractions

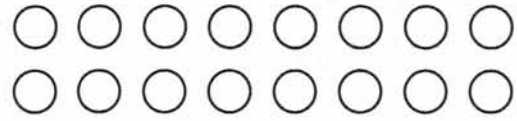
Common Core **COMMON CORE STANDARD—3.NF.A.1**
Develop understanding of fractions as numbers.

Circle equal groups to solve. Count the number of items in 1 group.

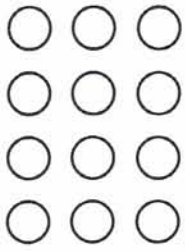
1. $\frac{1}{4}$ of 12 = 3



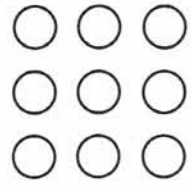
2. $\frac{1}{8}$ of 16 = _____



3. $\frac{1}{3}$ of 12 = _____



4. $\frac{1}{3}$ of 9 = _____



Problem Solving Real World

5. Marco drew 24 pictures. He drew $\frac{1}{6}$ of them in art class. How many pictures did Marco draw in art class?

_____

6. Caroline has 16 marbles. One eighth of them are blue. How many of Caroline's marbles are blue?

_____

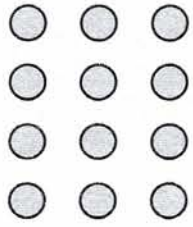
7. WRITE Math Explain how to find which is greater: $\frac{1}{4}$ of 12 or $\frac{1}{3}$ of 12.

_____

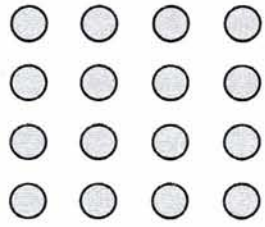
_____

Lesson Check (3.NF.A.1)

1. Ms. Davis made 12 blankets for her grandchildren. One third of the blankets are blue. How many blue blankets did she make?



2. Jackson mowed 16 lawns. One fourth of the lawns are on Main Street. How many lawns on Main Street did Jackson mow?



Spiral Review (3.OA.A.7, 3.NBT.A.1, 3.NBT.A.2)

3. Find the difference.

$$\begin{array}{r} 509 \\ -175 \\ \hline \end{array}$$

4. Find the quotient.

$6\overline{)54}$

5. There are 226 pets entered in the pet show. What is 226 rounded to the nearest hundred?

6. Ladonne made 36 muffins. She put the same number of muffins on each of 4 plates. How many muffins did she put on each plate?

Name _____

Problem Solving • Find the Whole Group Using Unit Fractions

Common Core **COMMON CORE STANDARD**—3.NF.A.1
Develop understanding of fractions as numbers.

Draw a quick picture to solve.

1. Katrina has 2 blue ribbons for her hair. One fourth of all her ribbons are blue. How many ribbons does Katrina have in all?

8 ribbons

2. One eighth of Tony's books are mystery books. He has 3 mystery books. How many books does Tony have in all?

_____

3. Brianna has 4 pink bracelets. One third of all her bracelets are pink. How many bracelets does Brianna have?

_____

4. Ramal filled 3 pages in a stamp album. This is one sixth of the pages in the album. How many pages are there in Ramal's stamp album?

_____

5. Jeff helped repair one half of the bicycles in a bike shop last week. If Jeff worked on 5 bicycles, how many bicycles did the shop repair last week?

_____

6. **WRITE** *Math* Write a problem about a group of objects in your classroom. Tell how many are in one equal part of the group. Solve your problem. Draw a diagram to help you.

_____

_____

Lesson Check (3.NF.A.1)

1. A zoo has 2 male lions. One sixth of the lions are male lions. How many lions are there at the zoo?

2. Max has 5 red model cars. One third of his model cars are red. How many model cars does Max have?

Spiral Review (3.OA.A.3, 3.NBT.A.1, 3.NBT.A.2, 3.NF.A.1)

3. There are 382 trees in the local park. What is the number of trees rounded to the nearest hundred?

4. The Jones family is driving 458 miles on their vacation. So far, they have driven 267 miles. How many miles do they have left to drive?

$$\begin{array}{r} 458 \\ -\ 267 \\ \hline \end{array}$$

5. Ken has 6 different colors of marbles. He has 9 marbles of each color. How many marbles does Ken have in all?

6. Eight friends share two pizzas equally. How much of a pizza does each friend get?