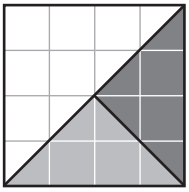
Name _____ Date _____

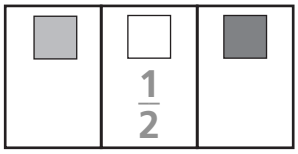
Practice
Lesson 1

Exploring Fractions

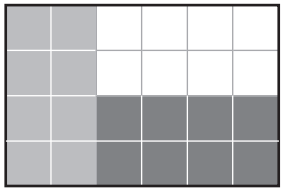
Write fractions that name the indicated portions of each picture.

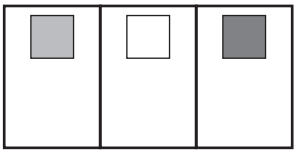
1



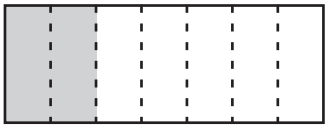


2



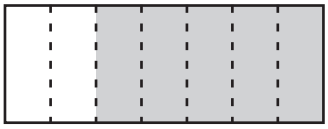


3



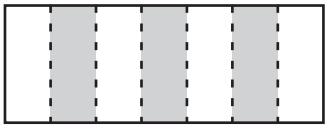
Shaded	
Unshaded	

4



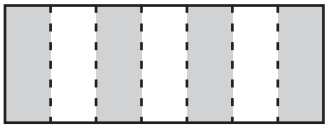
Shaded	
Unshaded	

5



Shaded	
Unshaded	

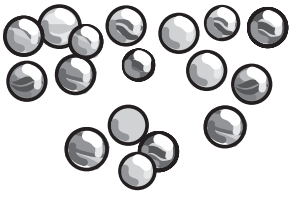
6



Shaded	
Unshaded	

Test Prep

7 Some children divided 18 marbles equally. Each child got more than 1 marble, and there were 4 left over. How many children were there? Explain.



_____

_____

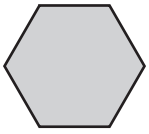
_____

_____

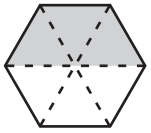
Name _____ Date _____

Practice
Lesson 2

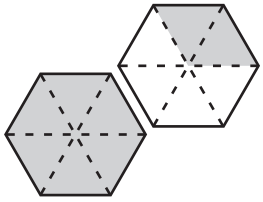
Exploring Fractions Greater than 1

For the problems on this page,  **is 1.**

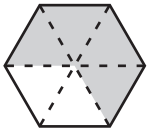
Find the fraction of a hexagon that's shaded.

1 

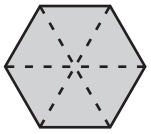
_____

2 

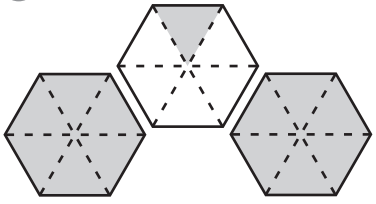
_____

3 

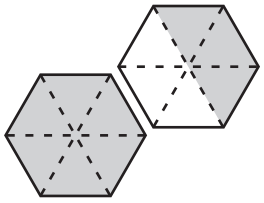
_____

4 

_____

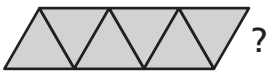
5 

_____

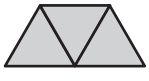
6 

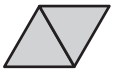
_____

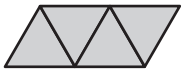
Test Prep

7 Which shape is exactly $\frac{1}{3}$ of the size of  ?

A. 

C. 

B. 

D. 

8 Sandra used a rule to make this list of numbers.

1, 2, 5, 10, 17, ■

What number comes next?

A. 20 **C.** 26

B. 24 **D.** 34

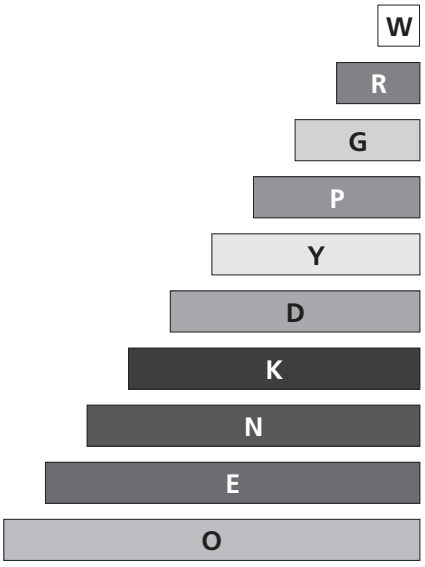
Name _____ Date _____

Practice
Lesson 3

Exploring Fractions with Cuisenaire® Rods

Use Cuisenaire® Rods to answer these questions.

1. If the W cube is 1, then the R rod is _____.
2. If the G rod is 1, then the R rod is _____.
3. If the R rod is 1, then the W cube is _____.
4. If the W cube is 1, then the O rod is _____.
5. If the R rod is 1, then the Y rod is _____.
6. If the O rod is 1, then the Y rod is _____.
7. If the G rod is 1, then the K rod is _____.



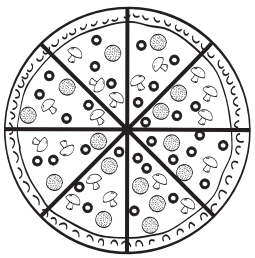
Test Prep

8. Tom bought 3 CDs. Each CD cost $17.99 including tax. Which is the best estimate for the cost of the CDs?

   A. $30
   B. $45
   C. $60
   D. $80

9. Evan's family ate $\frac{5}{8}$ of a pizza. How much of the pizza was left?

   A. $\frac{1}{8}$
   B. $\frac{2}{8}$
   C. $\frac{3}{8}$
   D. $\frac{5}{8}$

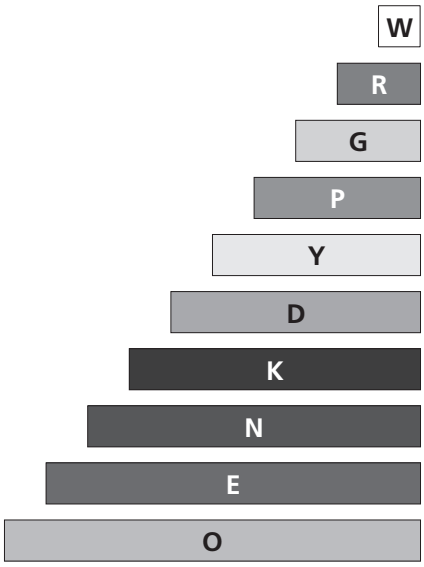


Name _____ Date _____

Practice
Lesson 4

Reasoning About Cuisenaire® Rod Fractions

Use the Cuisenaire® Rods to complete the statements below.



1. Rod _____ is $\frac{1}{2}$ the length of rod R.
2. Rod G is $\frac{1}{2}$ the length of rod _____.
3. Rod _____ is $1\frac{1}{4}$ the length of rod P.
4. Rod O is $1\frac{1}{4}$ the length of rod _____.
5. Rod _____ is $1\frac{1}{2}$ the length of rod R.
6. Rod D is $1\frac{1}{2}$ the length of rod _____.
7. Rod _____ is $1\frac{2}{3}$ the length of rod G.

Test Prep

8. Jamie cut a 10-foot rope into 3 equal pieces. How long was each piece? Explain.

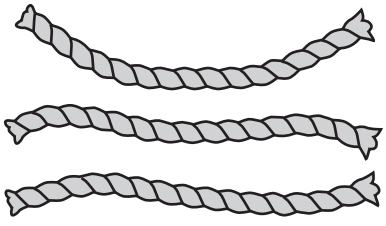
_____

_____

_____

_____

_____



Name _____ Date _____

Practice
Lesson 5

Fractions of a Foot

Find equivalent fractions to complete the patterns.

1

1	2	3	4			25	
4	8	12		20	40		1,000

2

2		6	20			400	
3	6	9	30	60	90		900

3

5	1	10	25		15	6	60
25		50		100			

Test Prep

4 A dozen can be evenly divided by 2 or 3 or 4, but not by 5.

Is the same statement true about 5 dozen? Explain.

_____

_____

_____

_____

5 Morgan reads 4 pages in 10 minutes. How many pages can she read in 15 minutes? Explain.

_____

_____

_____

_____

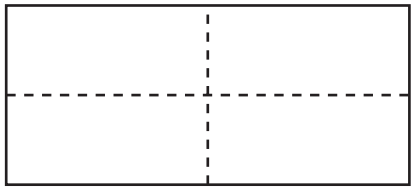
_____

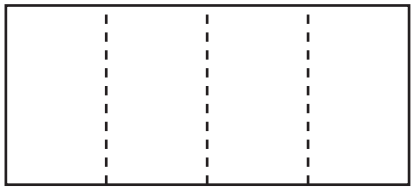
Name _____ Date _____

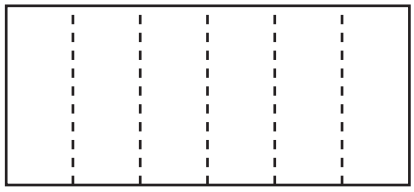
Practice
Lesson 6

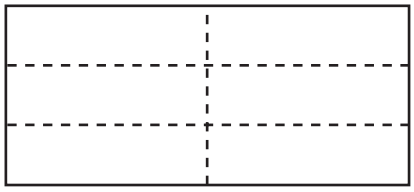
Comparing Fractions with One Half

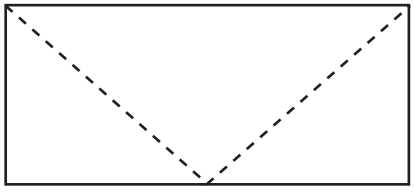
Shade $\frac{1}{2}$ of each picture.

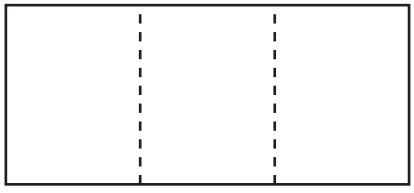
1 

2 

3 

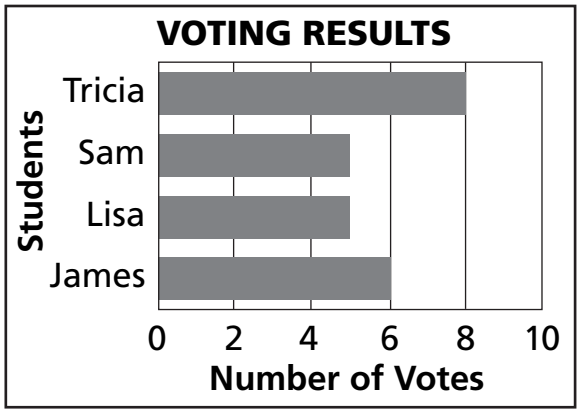
4 

5 

6 

Test Prep

7 Ms. Lewis's class voted for a class president. The graph shows the results.



How many students voted? _____

How many students voted for Tricia? _____

How many students did not vote for Tricia? _____

What fraction of the students voted for Tricia? _____

What fraction of the students did not vote for Tricia? _____

Name _____ Date _____

Practice
Lesson 7

Comparing Fractions

1

1 dollar = 100¢

$\frac{1}{10}$ of a dollar = _____¢

$\frac{2}{10}$ of a dollar = _____¢

$\frac{5}{10}$ of a dollar = _____¢

$\frac{9}{10}$ of a dollar = _____¢

$\frac{10}{10}$ of a dollar = _____¢

$\frac{13}{10}$ of a dollar = _____¢

2

1 hour = 60 minutes

$\frac{1}{6}$ of an hour = _____ minutes

$\frac{2}{6}$ of an hour = _____ minutes

$\frac{3}{6}$ of an hour = _____ minutes

$\frac{5}{6}$ of an hour = _____ minutes

$\frac{6}{6}$ of an hour = _____ minutes

$\frac{8}{6}$ of an hour = _____ minutes

Test Prep

3 Which number(s) can the triangle stand for to make the number sentence true?

$6 \times \triangle = \triangle \times 6$

A. 0 only

B. 1 only

C. 0 or 1 only

D. all numbers

4 Susan read for $\frac{3}{4}$ of an hour. She began at 4:10. When did she stop?

A. 5:00

B. 4:55

C. 4:45

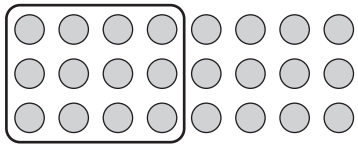
D. 4:40

Name _____ Date _____

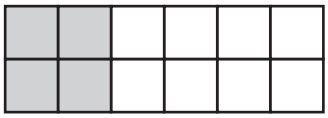
Practice
Lesson 8

Finding Equivalent Fractions

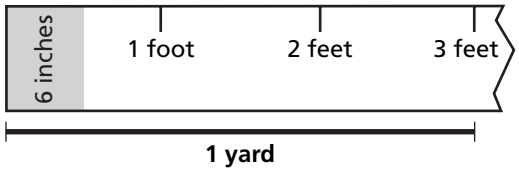
Cross out the fraction that is NOT equivalent to the others.

1. 

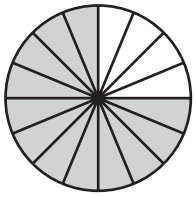
$\frac{12}{24}$ $\frac{1}{2}$ $\frac{4}{8}$ ~~$\frac{3}{4}$~~

2. 

$\frac{1}{2}$ $\frac{4}{12}$ $\frac{1}{3}$ $\frac{2}{6}$

3. 

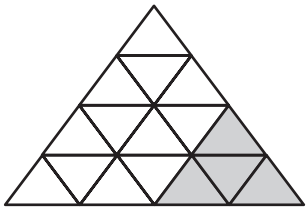
$\frac{1}{6}$ $\frac{6}{36}$ $\frac{2}{12}$ $\frac{1}{3}$

4. 

$\frac{4}{12}$ $\frac{3}{4}$ $\frac{12}{16}$ $\frac{6}{8}$

5. 

$\frac{1}{5}$ $\frac{20}{50}$ $\frac{2}{5}$ $\frac{4}{10}$

6. 

$\frac{1}{3}$ $\frac{1}{4}$ $\frac{4}{16}$ $\frac{2}{8}$

Test Prep

Terry took half and Seth took a fourth of all the marbles that were in their toy box.

7. How many marbles were left?

   A. $\frac{1}{4}$ of the original number

   B. $\frac{1}{3}$ of the original number

   C. $\frac{2}{3}$ of the original number

   D. $\frac{3}{4}$ of the original number

8. How many marbles could there have been in the box to start with?

   A. 9 marbles

   B. 10 marbles

   C. 11 marbles

   D. 12 marbles

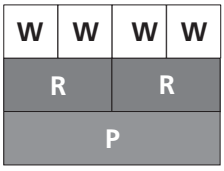
Name _____ Date _____

Practice
Lesson 9

Making Equivalent Fractions

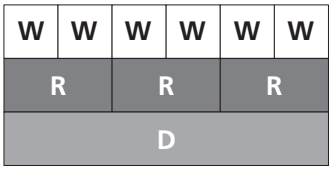
Cross out the fraction that is NOT equivalent to the others.

1



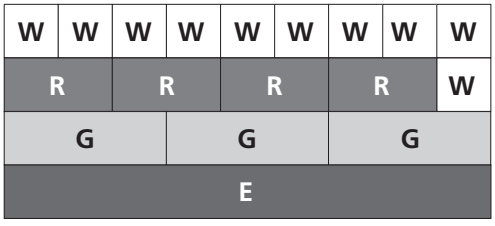
$\frac{1}{2}$ $\frac{2}{4}$ $\frac{3}{6}$ $\frac{4}{10}$

2



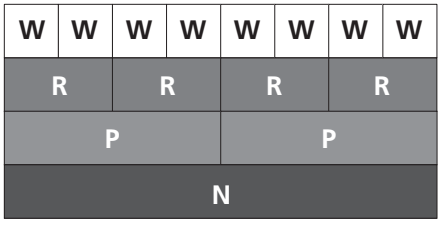
$\frac{2}{6}$ $\frac{4}{6}$ $\frac{2}{3}$ $\frac{8}{12}$

3



$\frac{1}{3}$ $\frac{3}{5}$ $\frac{3}{9}$ $\frac{2}{6}$

4



$\frac{1}{2}$ $\frac{3}{4}$ $\frac{12}{16}$ $\frac{6}{8}$

Test Prep

5 Some kids did yard work for a neighbor. They earned $9.00 and divided the money evenly. If there were 4 kids, how much did each get? Explain.

_____

_____

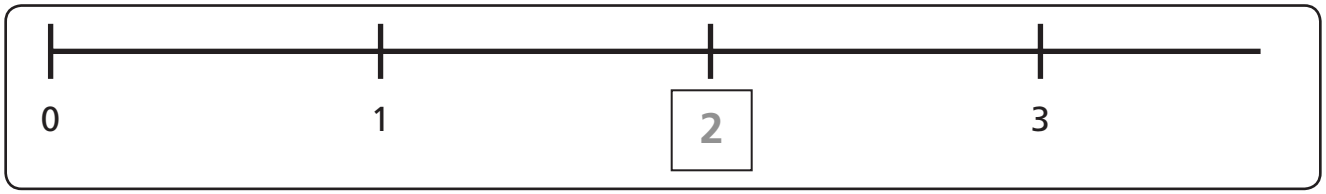
_____

Name _____ Date _____

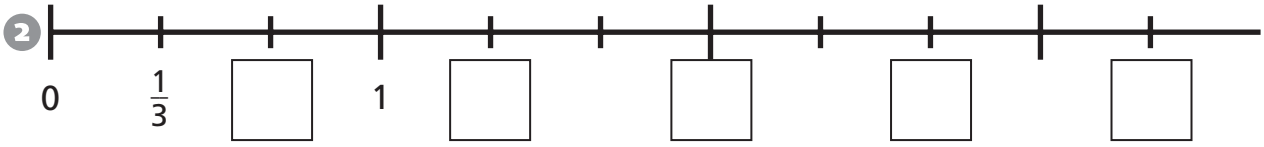
Practice
Lesson 10

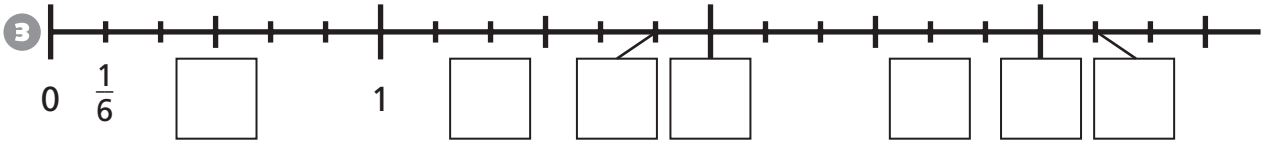
Fractions in Measurement

Write the missing numbers.



1. 

2. 

3. 

4. $\frac{1}{2} = \frac{\square}{4}$

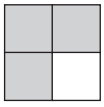
5. $1\frac{1}{3} = 1\frac{\square}{6}$

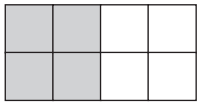
6. $\frac{3}{6} = \frac{1}{\square}$

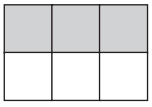
Test Prep

7. A fraction of this group of circles is shaded: 

Which figure below represents a fraction with the same value?

A. 

B. 

C. 

D. 

Name _____ Date _____

Practice
Lesson 11

Modeling Addition of Fractions

1 2 fourths + 1 fourth = _____ fourths

2 5 sixths − 2 sixths = _____ sixths

3 2 fifths + 3 fifths = _____ fifths

4 1 third + 3 thirds = _____ thirds

5 $\frac{1}{6} + \frac{3}{6} = \frac{\square}{6}$

6 $\frac{5}{8} + \frac{2}{8} = \frac{\square}{\square}$

7

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

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{12}$

$$\frac{2}{3} + \frac{1}{12} = \frac{\square}{\square}$$

Test Prep

8 There are four cups with pencils in them.

Kyle moved pencils so that each cup contained the same number. How many were in each cup? Explain.

_____

_____

_____

9 Alex had 7 marbles. He and Greg combined their marbles, then shared them evenly. If both then had 5 marbles, how many did Greg start with? Explain.

_____

_____

_____

_____

_____