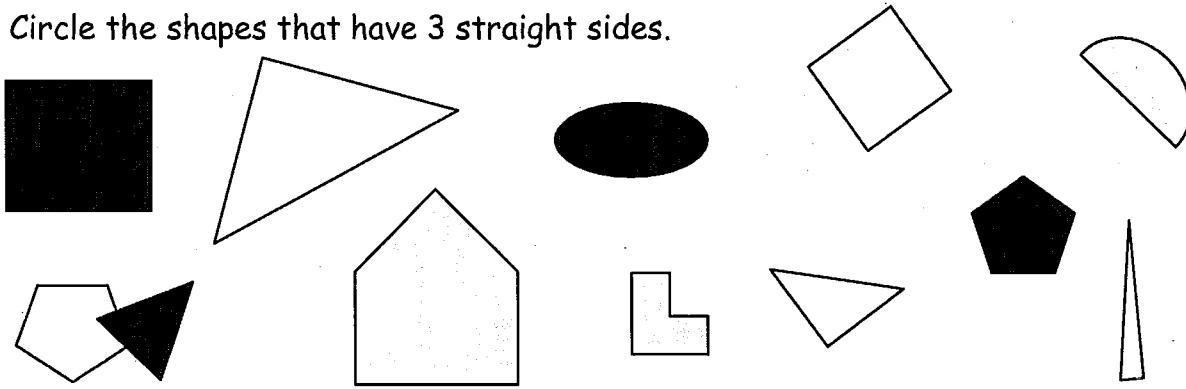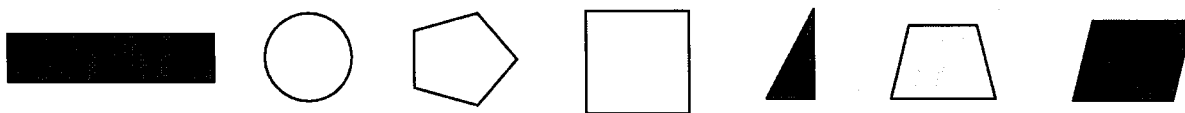Name _____   Date _____

1. Circle the shapes that have 3 straight sides.

2. Circle the shapes that have no corners.

3. Circle the shapes that have only square corners.
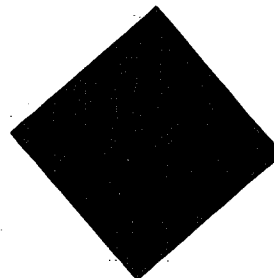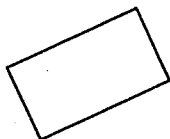
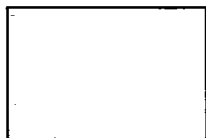4. a. Draw a shape that has 4 straight sides.

   b. Draw another shape with 4 straight sides that is different from 4(a) and from the ones above.

EUREKA MATH™

Lesson 1:   Classify shapes based on defining attributes using examples, variants, and non-examples.

3

5. Which attributes, or characteristics, are the same for all of the shapes in Group A?
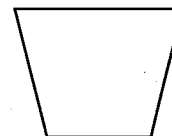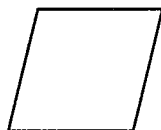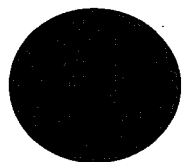
GROUP A

They all _____.

They all _____.

6. Circle the shape that best fits with Group A.

7. Draw 2 more shapes that would fit Group A.	8. Draw 1 shape that would **not** fit in Group A.

EUREKA MATH

Lesson 1:   Classify shapes based on defining attributes using examples, variants, and non-examples.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

4

Name _____   Date _____

1. Color the shapes using the key. Write the number of shapes you colored on each line.

Key

RED 3 straight sides: _____

BLUE 4 straight sides: _____

GREEN 6 straight sides: _____

YELLOW 1 curved side: _____

2.
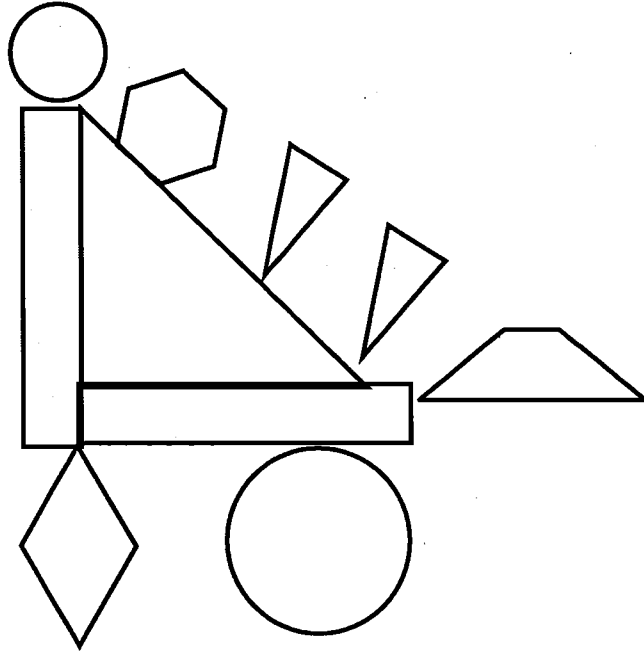
   a. A **triangle** has _____ straight sides and _____ corners.

   b. I colored _____ triangles.

3.

   a. A **hexagon** has _____ straight sides and _____ corners.

   b. I colored _____ hexagon.

4.

   a. A **circle** has _____ straight sides and _____ corners.

   b. I colored _____ circles.

5.

   a. A **rhombus** has _____ straight sides that are equal in length and _____ corners.

   b. I colored _____ rhombus.

EUREKA MATH

Lesson 2: Find and name two-dimensional shapes including trapezoid, rhombus, and a square as a special rectangle, based on defining attributes of sides and corners.

10

6. A **rectangle** is a closed shape with 4 straight sides and 4 square corners.
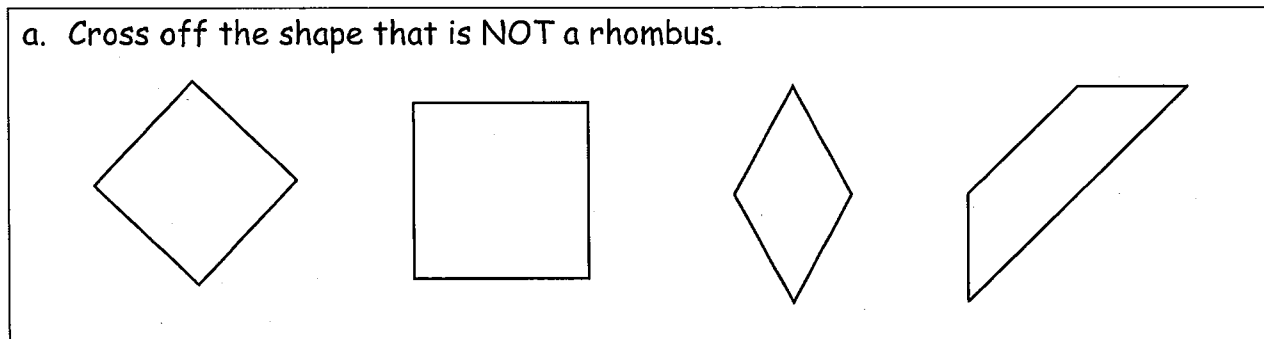
a. Cross off the shape that is NOT a rectangle.
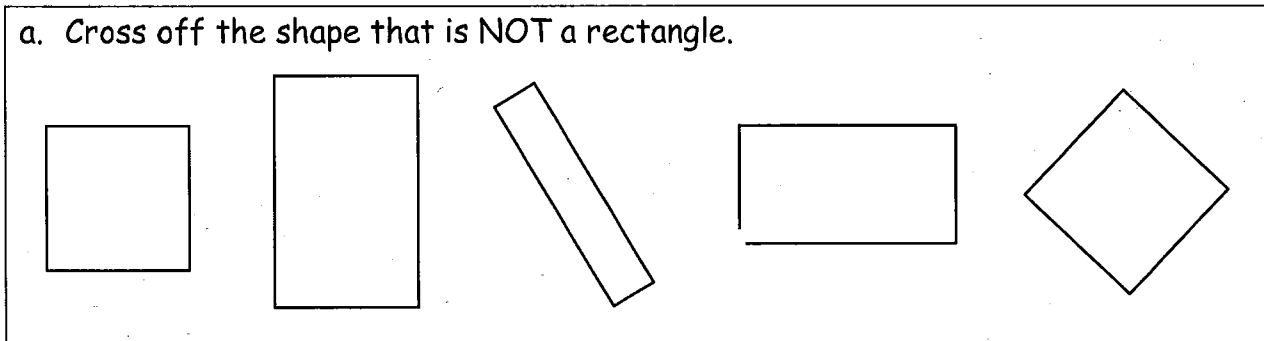
b. Explain your thinking: _____

_____

7. A **rhombus** is a closed shape with 4 straight sides of the same length.

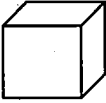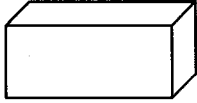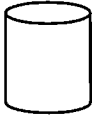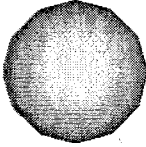a. Cross off the shape that is NOT a rhombus.

b. Explain your thinking: _____

_____

EUREKA
MATH™

Lesson 2:   Find and name two-dimensional shapes including trapezoid, rhombus, and a square as a special rectangle, based on defining attributes of sides and corners.

11

Name _____   Date _____

1. Go on a scavenger hunt for 3-dimensional shapes. Look for objects at home that would fit in the chart below. Try to find at least four objects for each shape.

Cube	Rectangular Prism	Cylinder	Sphere	Cone

EUREKA MATH

Lesson 3:   Find and name three-dimensional shapes including cone and rectangular prism, based on defining attributes of faces and points.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

15

2. Choose one object from each column. Explain how you know that object belongs in that column. Use the word bank if needed.

Word Bank

faces	circle	square	roll	six
sides	rectangle	point	flat	

a. I put the _____ in the cube column because

_____ .

b. I put the _____ in the cylinder column because

_____ .

c. I put the _____ in the sphere column because

_____ .

d. I put the _____ in the cone column because

_____ .

e. I put the _____ in the rectangular prism column because

_____ .

EUREKA MATH™ | Lesson 3:   Find and name three-dimensional shapes including cone and rectangular prism, based on defining attributes of faces and points.

© 2014 Common Core, Inc. All rights reserved. commoncore.org   16

Name _____   Date _____

Cut out the pattern block shapes from the bottom of the page. Color them to match the key, which is different from the pattern block colors in class. Trace or draw to show what you did.

Hexagon—red   Triangle—blue   Rhombus—yellow   Trapezoid—green

1. Use 3 triangles to make 1 trapezoid.	2. Use 3 triangles to make 1 trapezoid, and then add 1 trapezoid to make 1 hexagon.

Lesson 4:   Create composite shapes from two-dimensional shapes.
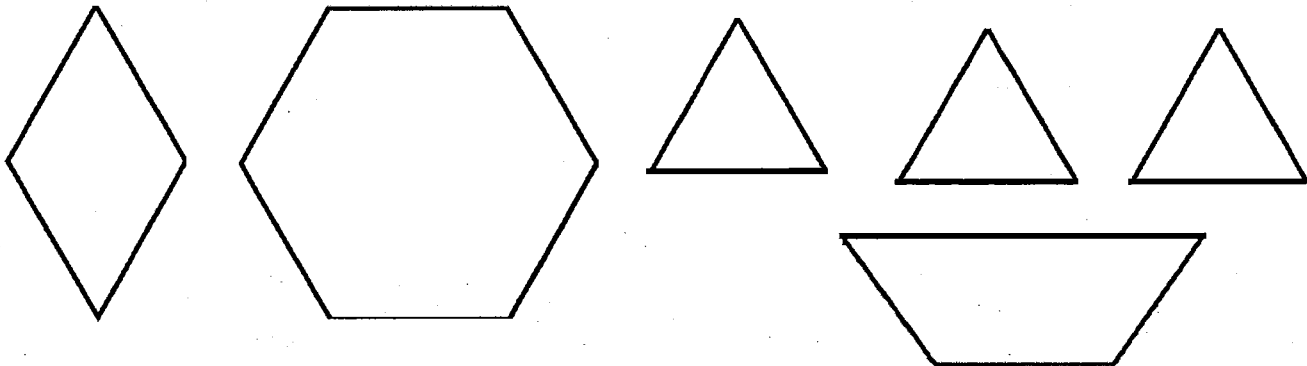
3. How many squares do you see in this large square?
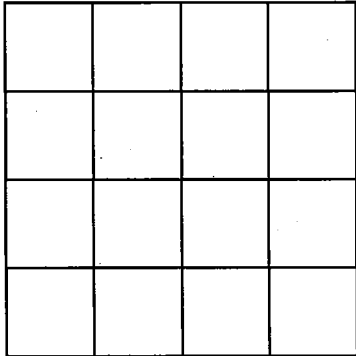
I can find _____ squares in this large square.

Name _____   Date _____

1. Cut out all of the tangram pieces from the separate piece of paper you brought home from school. It looks like this:
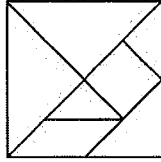
2. Tell a family member the name of each shape.

3. Follow the directions to make each shape below. Draw or trace to show the parts you used to make the shape.

    a. Use 2 tangram pieces to make 1 triangle.

    b. Use 1 square and 1 triangle to make 1 trapezoid.
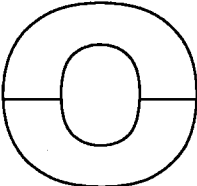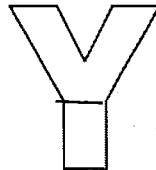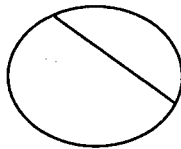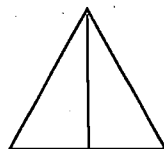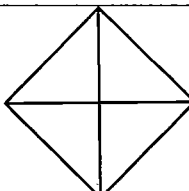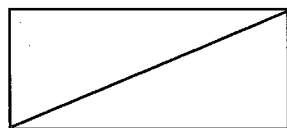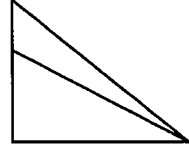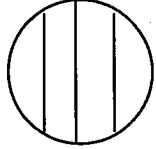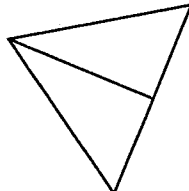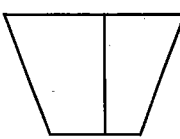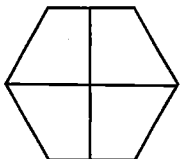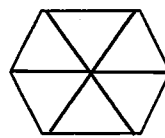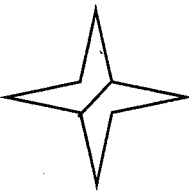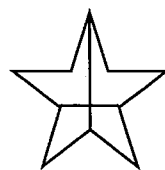
    c. Use one more piece to change the trapezoid into a rectangle.

| Lesson 5:   Compose a new shape from composite shapes.

4. Make an animal with all of your pieces. Draw or trace to show the pieces you used. Label your drawing with the animal's name.

Name _____   Date _____

1. Are the shapes divided into equal parts? Write **Y** for yes or **N** for no. If the shape has equal parts, write how many equal parts there are on the line. The first one has been done for you.

a. **Y** ____ **2**	b. ____ ____	c. ____ ____
d. ____ ____	e. ____ ____	f. ____ ____
g. ____ ____	h. ____ ____	i. ____ ____
j. ____ ____	k. ____ ____	l. ____ ____
m. ____ ____	n. ____ ____	o. ____ ____

EUREKA MATH | Lesson 7: | Name and count shapes as parts of a whole, recognizing relative sizes of the parts.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

35

2. Draw 1 line to make 2 equal parts. What smaller shapes did you make?
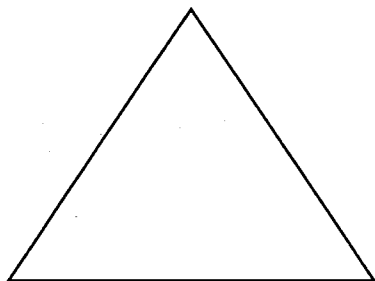
I made 2 _____.

3. Draw 2 lines to make 4 equal parts. What smaller shapes did you make?
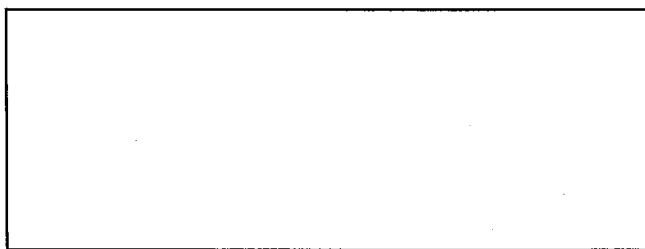
I made 4 _____.

4. Draw lines to make 6 equal parts. What smaller shapes did you make?

I made 6 _____.

EUREKA
MATH™

Lesson 7:   Name and count shapes as parts of a whole, recognizing relative sizes
of the parts.
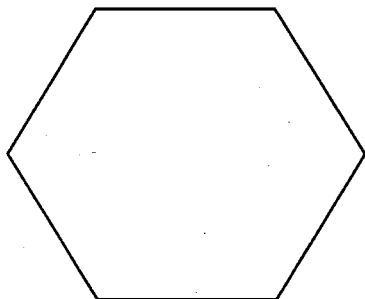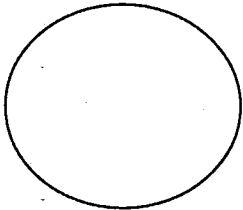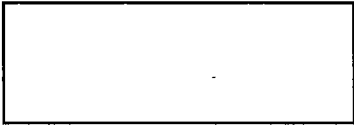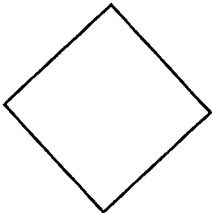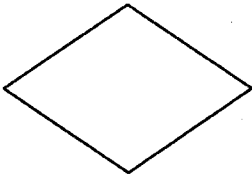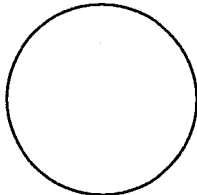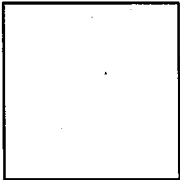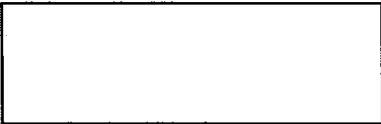
36

Name _____   Date _____

1. Circle the correct word(s) to tell how each shape is divided.

a.	b.
equal parts unequal parts	equal parts unequal parts
c.	d.
halves fourths	halves quarters
e.	f.
halves quarters	fourths halves
g.	h.
quarters halves	halves fourths

EUREKA MATH | Lesson 8: Partition shapes and identify halves and quarters of circles and rectangles.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

39

2. What part of the shape is shaded? Circle the correct answer.

a.

1 half   1 quarter

b.

1 half   1 quarter

c.

1 half   1 quarter

d.
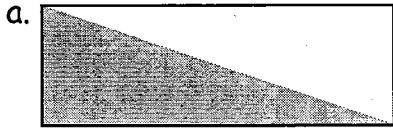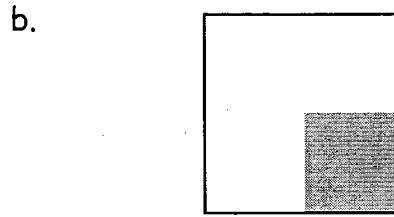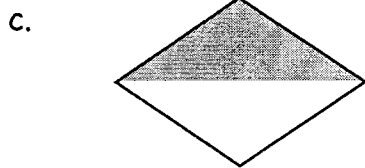
1 half   1 quarter

3. Color 1 quarter of each shape.
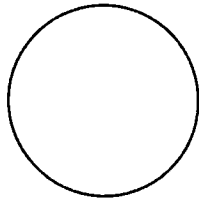
4. Color 1 half of each shape.

EUREKA
MATH™

Lesson 8: Partition shapes and identify halves and quarters of circles and rectangles.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

40
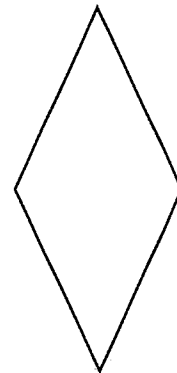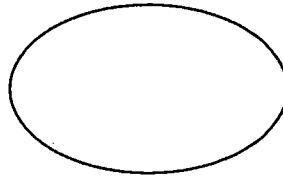
Name _____   Date _____

1. Label the shaded part of each picture as one half of the shape or one quarter of the shape.

A
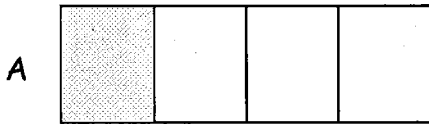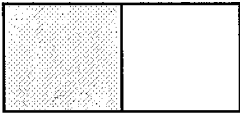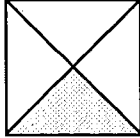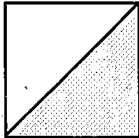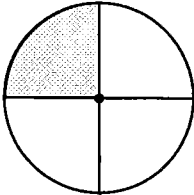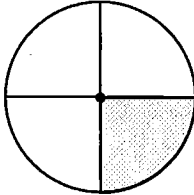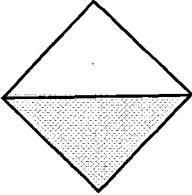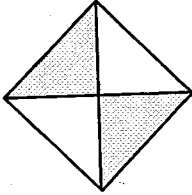
   Which picture has been cut into more equal parts? _____

   Which picture has larger equal parts? ____

B
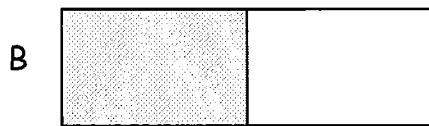
   Which picture has smaller equal parts? ____
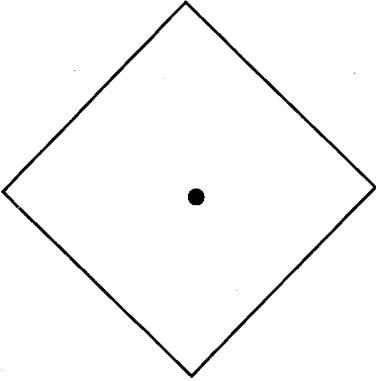
2. Write whether the shaded part of each shape is a half or a quarter.

| a. _____ _____ | b. _____ _____ |
| c. _____ _____ | d. _____ _____ |

EUREKA MATH | Lesson 9:   Partition shapes and identify halves and quarters of circles and rectangles.

45

3. Color part of the shape to match its label. Circle the phrase that would make the statement true.

a.

One quarter of the square
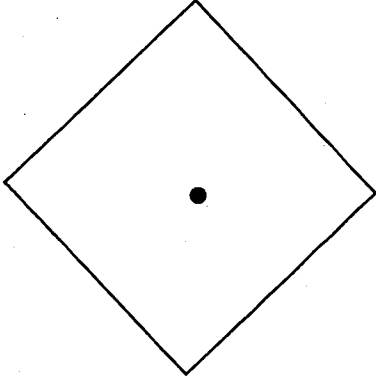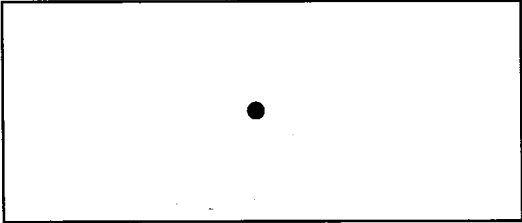
| is larger than |
| is smaller than |
| is the same size as |

one half of the square.

b.

| is larger than |
| is smaller than |
| is the same size as |

One quarter of the rectangle
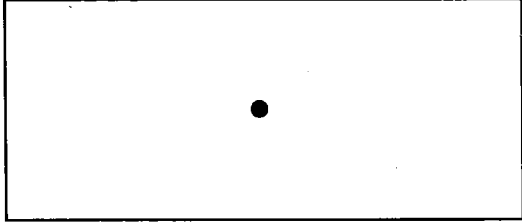
one fourth of the rectangle.

EUREKA
MATH

Lesson 9: Partition shapes and identify halves and quarters of circles and rectangles.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

46

Name _____   Date _____

1. Match each clock to the time it shows.

a.

b.

| 4 o'clock |

| 7 o'clock |

11:00

10:00

c.

| 11 o'clock |

2:00

d.

| 10 o'clock |

3:00

| 3 o'clock |

4:00

e.

| 2 o'clock |

7:00

f.

EUREKA
MATH

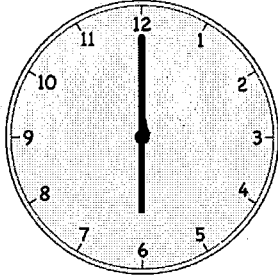Lesson 10:   Construct a paper clock by partitioning a circle and tell time to the
hour.

50
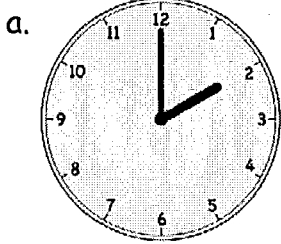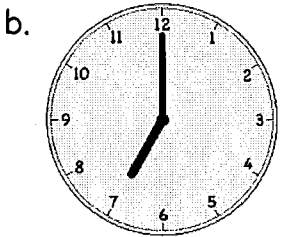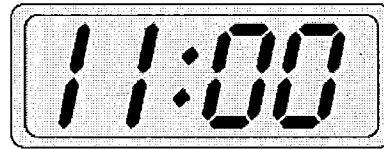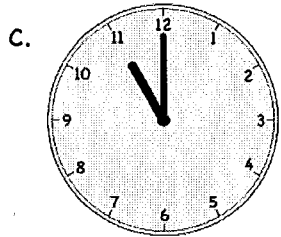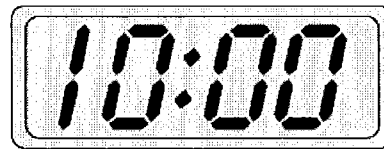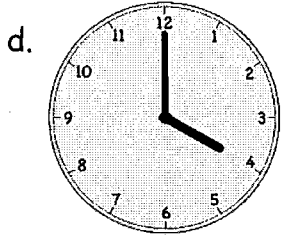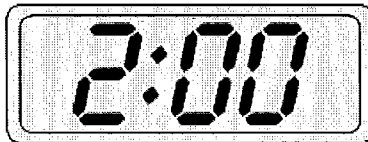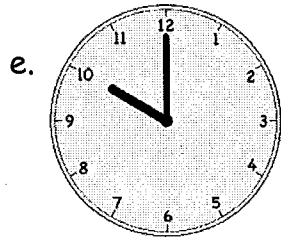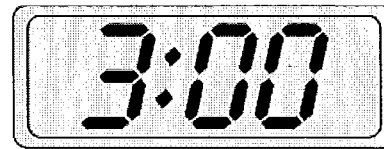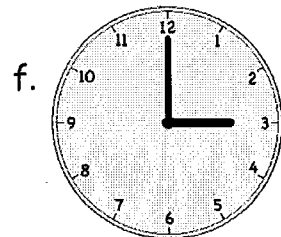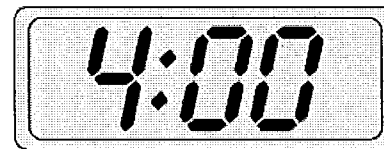
2. Put the hour hand on the clock so that the clock matches the time. Then, write the time on the line.
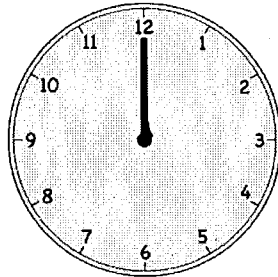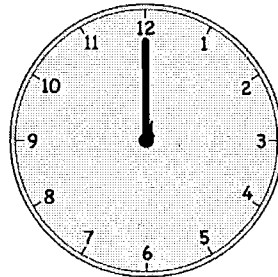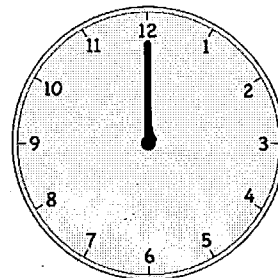
a.

6 o'clock

$6:00$

b.
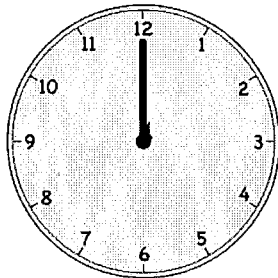
9 o'clock

_____

c.

12 o'clock

_____

d.

7 o'clock

_____

e.

1 o'clock

_____

EUREKA MATH | Lesson 10:   Construct a paper clock by partitioning a circle and tell time to the hour.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

51
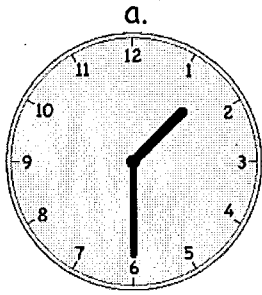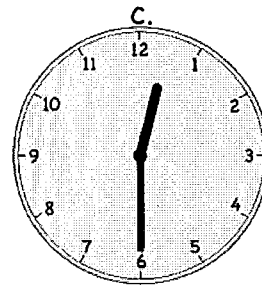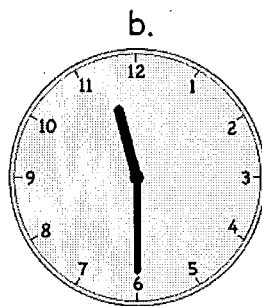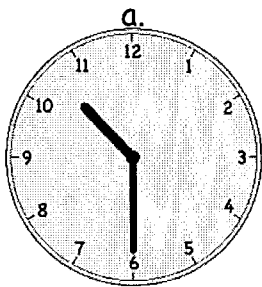
Name _____   Date _____

Circle the correct clock.

1. Half past 2 o'clock.

a.   b.   c.
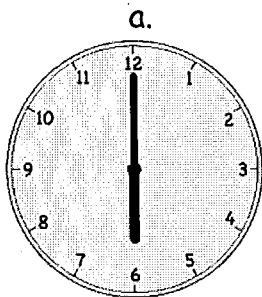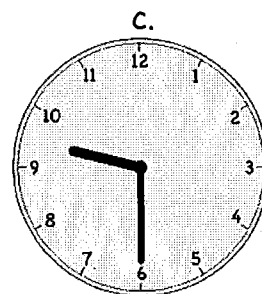
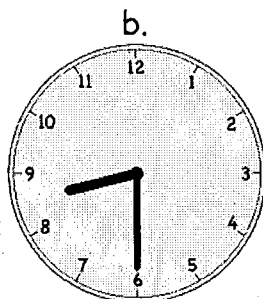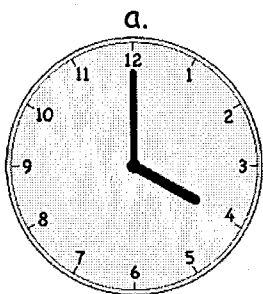2. Half past 10 o'clock.

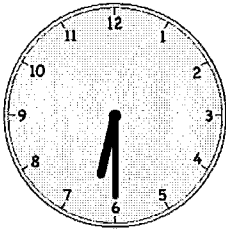a.   b.   c.

3. 6 o'clock.

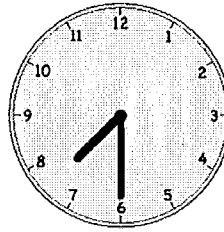a.   b.   c.

4. Half past 8 o'clock.

a.   b.   c.

EUREKA MATH™

Lesson 11: Recognize halves within a circular clock face and tell time to the half hour.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

56
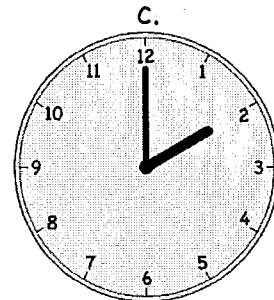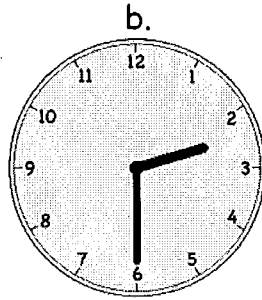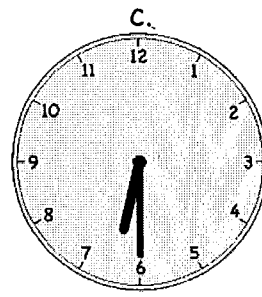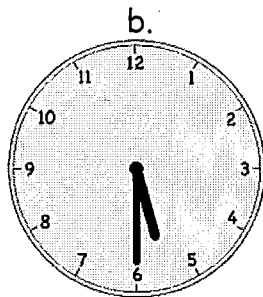
Write the time shown on each clock to tell about Lee's day.
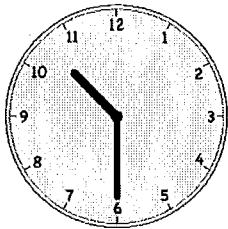
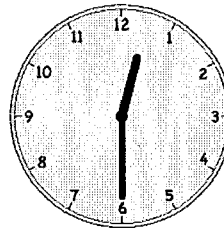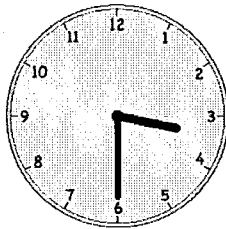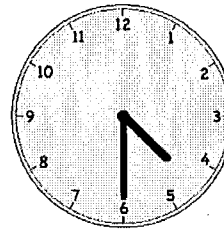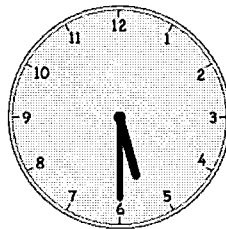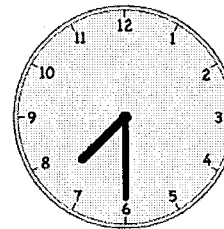|	
5. Lee wakes up at _____.	6. He takes the bus to school at _____.
7. He has math at _____.	8. He eats lunch at _____.
9. He has basketball practice at _____.	10. He does his homework at _____.
11. He eats dinner at _____.	12. He goes to bed at _____.

EUREKA MATH

Lesson 11:   Recognize halves within a circular clock face and tell time to the half hour.

© 2014 Common Core, Inc. All rights reserved. commoncore.org

57