

# A Story of Units<sup>®</sup>

## Eureka Math<sup>™</sup>

### Grade 2, Module 8

## Student File\_A

*Contains copy-ready classwork and homework  
as well as templates (including cut outs)*

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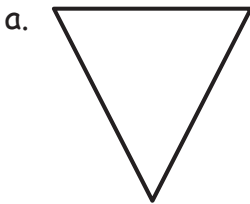
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10 9 8 7 6 5 4 3 2 1

Name \_\_\_\_\_

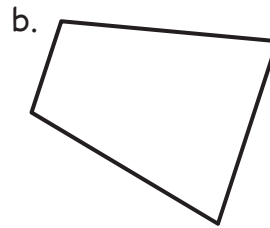
Date \_\_\_\_\_

1. Identify the number of sides and angles for each shape. Circle each angle as you count, if needed. The first one has been done for you.



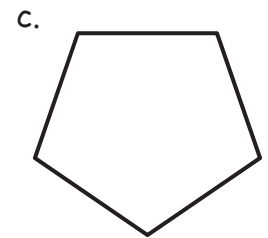
3 sides

3 angles



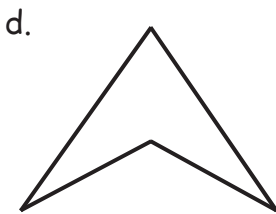
\_\_\_\_\_ sides

\_\_\_\_\_ angles



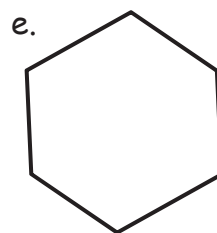
\_\_\_\_\_ sides

\_\_\_\_\_ angles



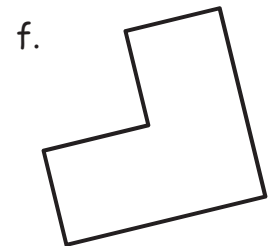
\_\_\_\_\_ sides

\_\_\_\_\_ angles



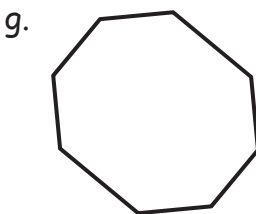
\_\_\_\_\_ sides

\_\_\_\_\_ angles



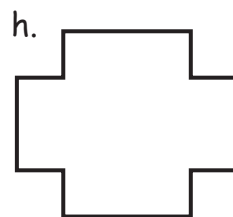
\_\_\_\_\_ sides

\_\_\_\_\_ angles



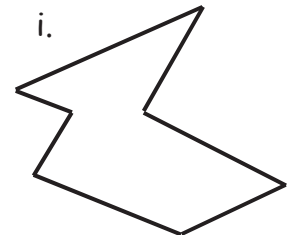
\_\_\_\_\_ sides

\_\_\_\_\_ angles



\_\_\_\_\_ sides

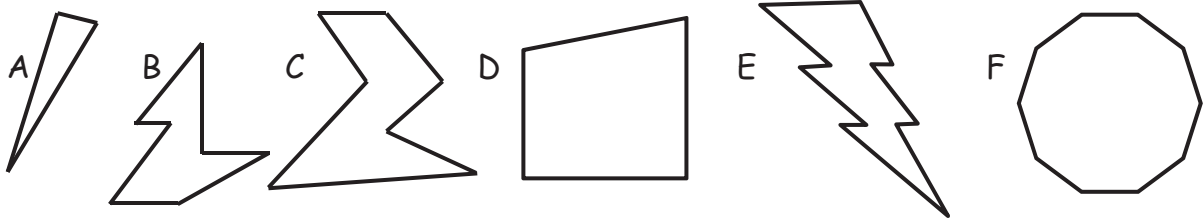
\_\_\_\_\_ angles



\_\_\_\_\_ sides

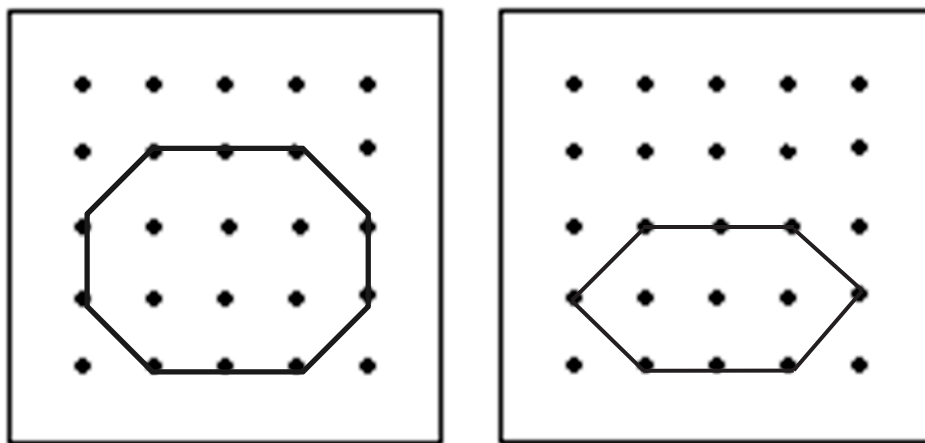
\_\_\_\_\_ angles

2. Study the shapes below. Then, answer the questions.



- a. Which shape has the most sides? \_\_\_\_\_
- b. Which shape has 3 more angles than shape C? \_\_\_\_\_
- c. Which shape has 3 fewer sides than shape B? \_\_\_\_\_
- d. How many more angles does shape C have than shape A? \_\_\_\_\_
- e. Which of these shapes have the same number of sides and angles? \_\_\_\_\_

3. Ethan said the two shapes below are both six-sided figures but just different sizes. Explain why he is incorrect.




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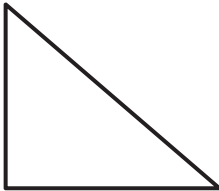
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Name \_\_\_\_\_

Date \_\_\_\_\_

1. Identify the number of sides and angles for each shape. Circle each angle as you count, if needed.

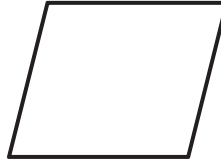
a.



\_\_\_\_\_ sides

\_\_\_\_\_ angles

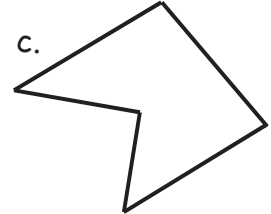
b.



\_\_\_\_\_ sides

\_\_\_\_\_ angles

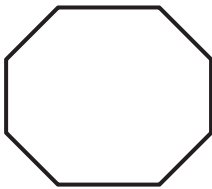
c.



\_\_\_\_\_ sides

\_\_\_\_\_ angles

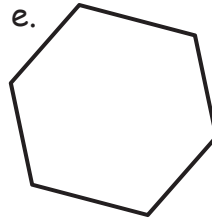
d.



\_\_\_\_\_ sides

\_\_\_\_\_ angles

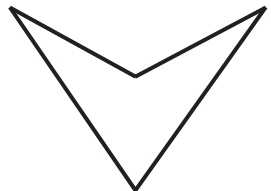
e.



\_\_\_\_\_ sides

\_\_\_\_\_ angles

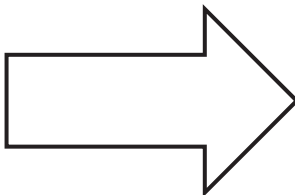
f.



\_\_\_\_\_ sides

\_\_\_\_\_ angles

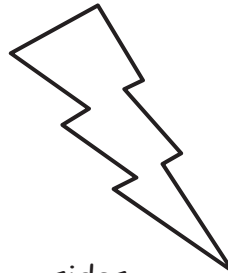
g.



\_\_\_\_\_ sides

\_\_\_\_\_ angles

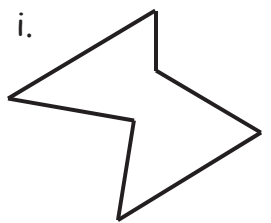
h.



\_\_\_\_\_ sides

\_\_\_\_\_ angles

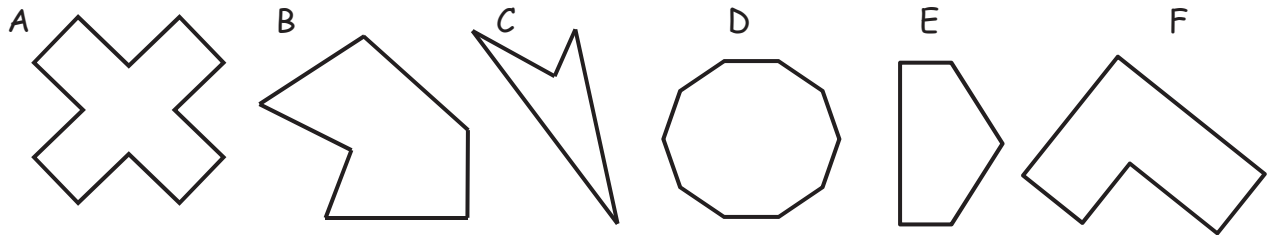
i.



\_\_\_\_\_ sides

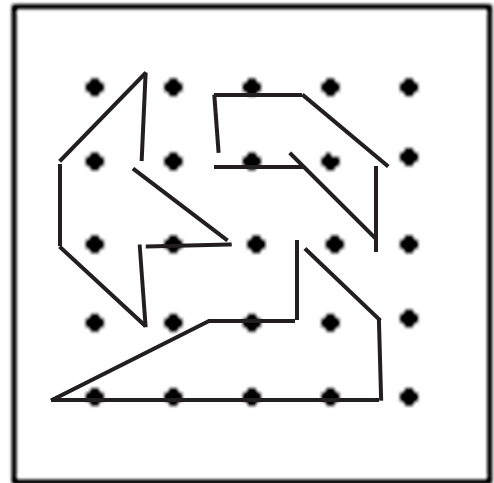
\_\_\_\_\_ angles

2. Study the shapes below. Then, answer the questions.



- Which shape has the most angles? \_\_\_\_\_
- Which shape has 4 more angles than shape F? \_\_\_\_\_
- Which shape has 5 fewer sides than shape D? \_\_\_\_\_
- How many more angles does shape A have than shape B? \_\_\_\_\_
- Which of these shapes have the same number of sides and angles? \_\_\_\_\_

3. Joseph's teacher said to make shapes with 6 sides and 6 angles on his geoboard. Shade the shapes that share these attributes, and circle the shape that does not belong. Explain why it does not belong.




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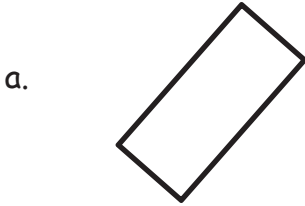
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Name \_\_\_\_\_

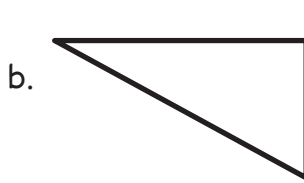
Date \_\_\_\_\_

1. Count the number of sides and angles for each shape to identify each polygon. The polygon names in the word bank may be used more than once.

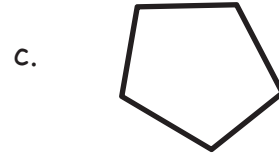
Hexagon	Quadrilateral	Triangle	Pentagon
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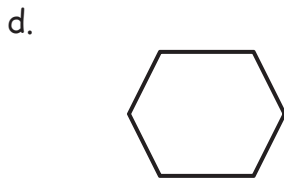
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\_\_\_\_\_



\_\_\_\_\_



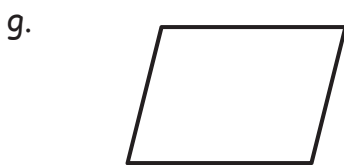
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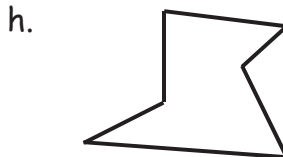
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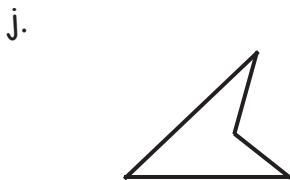
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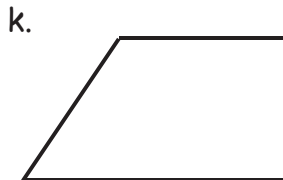
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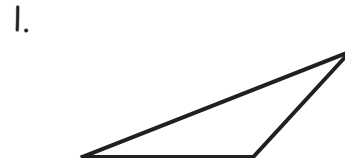
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

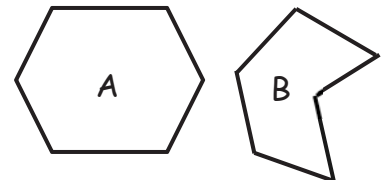


\_\_\_\_\_

2. Draw more sides to complete 2 examples of each polygon.

	Example 1	Example 2
<p>a. <b>Triangle</b>                      For each example, _____ line was added.                      A triangle has _____ total sides.</p>		
<p>b. <b>Hexagon</b>                      For each example, _____ lines were added.                      A hexagon has _____ total sides.</p>		
<p>c. <b>Quadrilateral</b>                      For each example, _____ lines were added.                      A quadrilateral has _____ total sides.</p>		
<p>d. <b>Pentagon</b>                      For each example, _____ lines were added.                      A pentagon has _____ total sides.</p>		

3. a. Explain why both polygons A and B are hexagons.

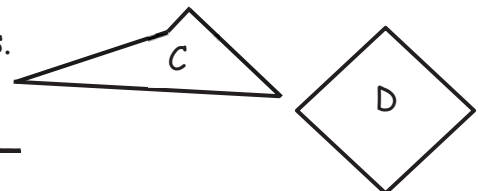


\_\_\_\_\_

\_\_\_\_\_

b. Draw a different hexagon than the two that are shown.

4. Explain why both polygons C and D are quadrilaterals.



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\_\_\_\_\_

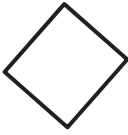
Name \_\_\_\_\_

Date \_\_\_\_\_

1. Count the number of sides and angles for each shape to identify each polygon. The polygon names in the word bank may be used more than once.

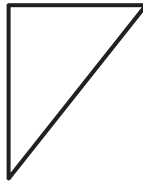
Hexagon	Quadrilateral	Triangle	Pentagon
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a.



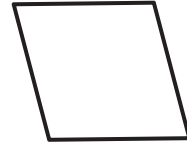
\_\_\_\_\_

b.



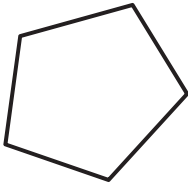
\_\_\_\_\_

c.



\_\_\_\_\_

d.



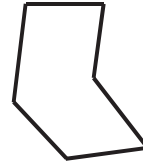
\_\_\_\_\_

e.



\_\_\_\_\_

f.



\_\_\_\_\_

g.



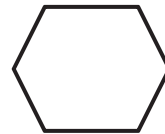
\_\_\_\_\_

h.



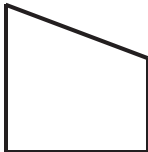
\_\_\_\_\_

i.



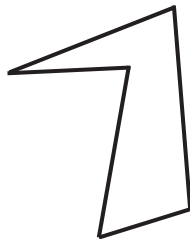
\_\_\_\_\_

j.



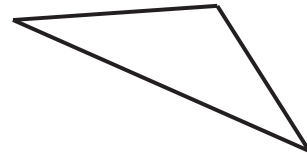
\_\_\_\_\_

k.



\_\_\_\_\_









l.



\_\_\_\_\_



2. Draw more sides to complete 2 examples of each polygon.

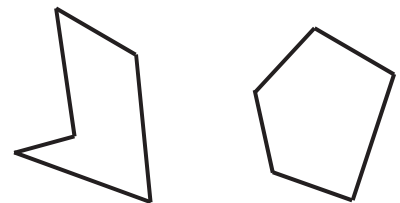
	Example 1	Example 2
<p>a. <b>Quadrilateral</b></p> <p>For each example, ___ lines were added.</p> <p>A quadrilateral has ___ total sides.</p>		
<p>b. <b>Pentagon</b></p> <p>For each example, ___ lines were added.</p> <p>A pentagon has ___ total sides.</p>		
<p>c. <b>Triangle</b></p> <p>For each example, ___ line was added.</p> <p>A triangle has ___ total sides.</p>		
<p>d. <b>Hexagon</b></p> <p>For each example, ___ lines were added.</p> <p>A hexagon has ___ total sides.</p>		

3. Explain why both polygons A and B are pentagons.

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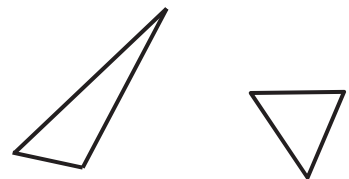


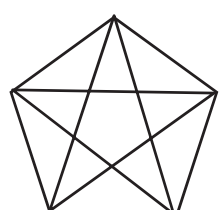
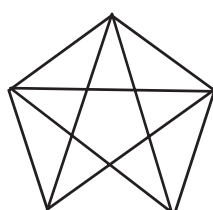
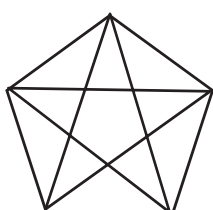
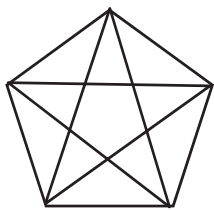
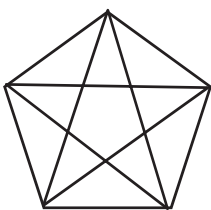
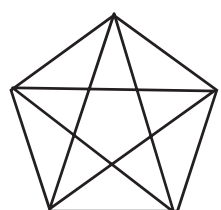
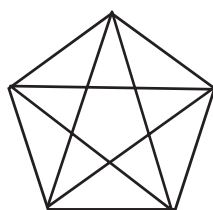
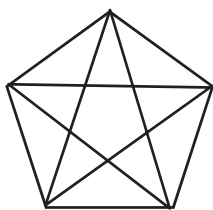
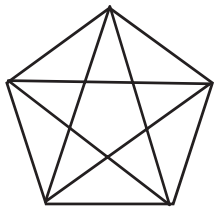
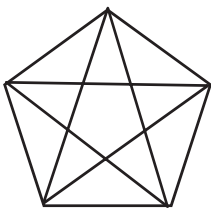
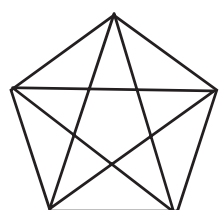
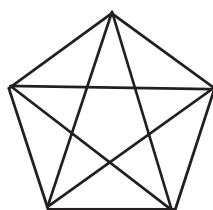
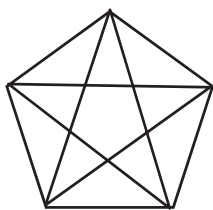
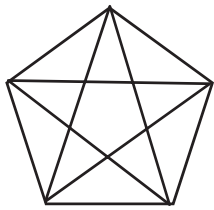
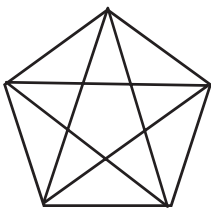
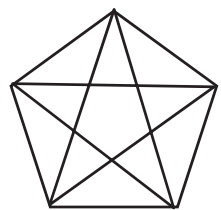
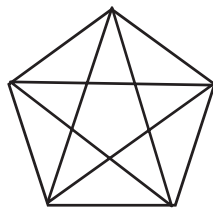
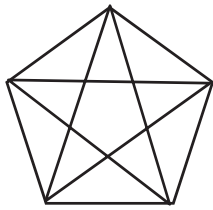
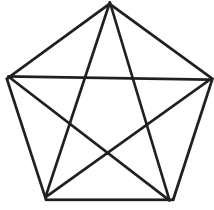
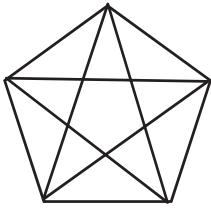
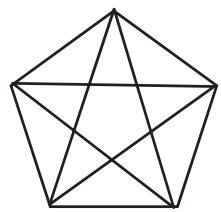
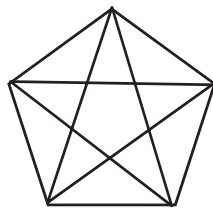
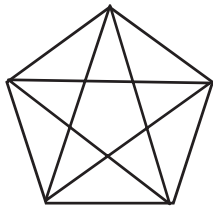
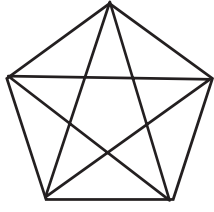
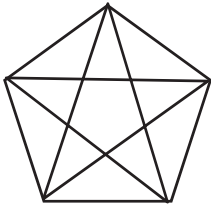
4. Explain why both polygons C and D are triangles.

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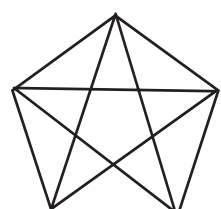
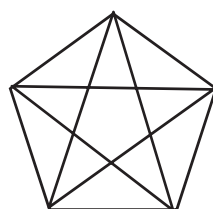
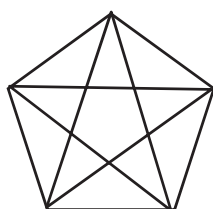
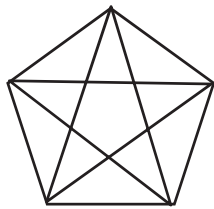
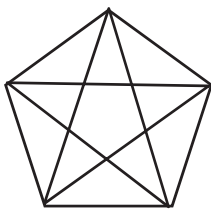
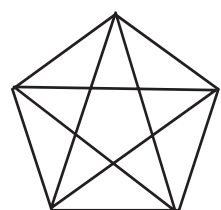
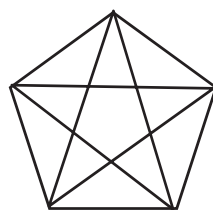
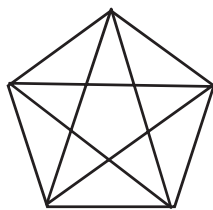
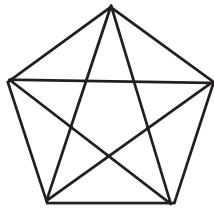
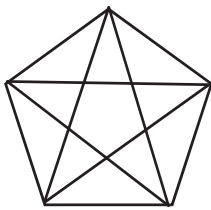
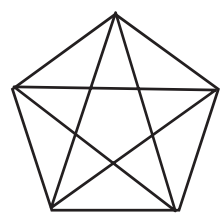
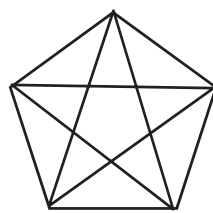
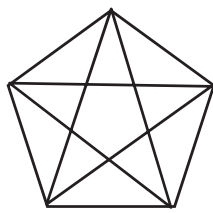
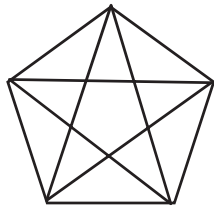
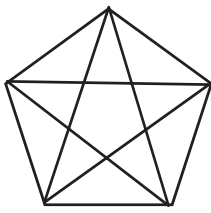
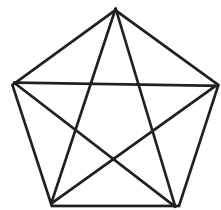
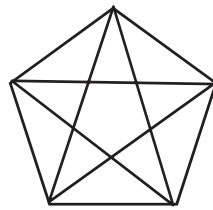
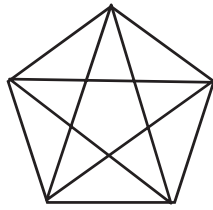
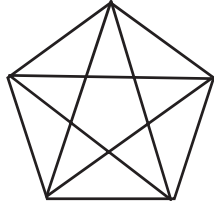
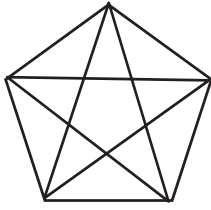
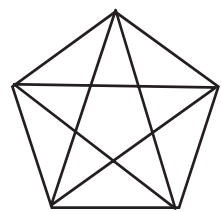
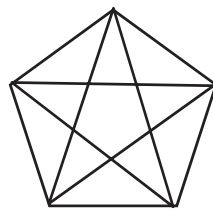
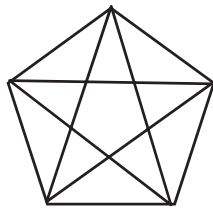
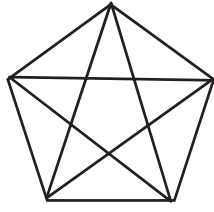
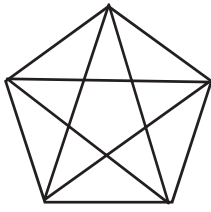
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find the triangles



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find the triangles

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Use a straightedge to draw the polygon with the given attributes in the space to the right.
  - a. Draw a polygon with 3 angles.  
Number of sides: \_\_\_\_\_  
Name of polygon: \_\_\_\_\_
  - b. Draw a five-sided polygon.  
Number of angles: \_\_\_\_\_  
Name of polygon: \_\_\_\_\_
  - c. Draw a polygon with 4 angles.  
Number of sides: \_\_\_\_\_  
Name of polygon: \_\_\_\_\_
  - d. Draw a six-sided polygon.  
Number of angles: \_\_\_\_\_  
Name of polygon: \_\_\_\_\_
  - e. Compare your polygons to those of your partner.  
Copy one example that is very different from your own in the space to the right.

2. Use your straightedge to draw 2 new examples of each polygon that are different from those you drew on the first page.

a. Triangle

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b. Pentagon

--	--

c. Quadrilateral

--	--

d. Hexagon

--	--

Name \_\_\_\_\_

Date \_\_\_\_\_

Use a straightedge to draw the polygon with the given attributes in the space to the right.

Draw a five-sided polygon.

Number of angles: \_\_\_\_\_

Name of polygon: \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Use a straightedge to draw the polygon with the given attributes in the space to the right.

a. Draw a polygon with 4 angles.

Number of sides: \_\_\_\_\_

Name of polygon: \_\_\_\_\_

b. Draw a six-sided polygon.

Number of angles: \_\_\_\_\_

Name of polygon: \_\_\_\_\_

c. Draw a polygon with 3 angles.

Number of sides: \_\_\_\_\_

Name of polygon: \_\_\_\_\_

d. Draw a five-sided polygon.

Number of angles: \_\_\_\_\_

Name of polygon: \_\_\_\_\_

2. Use your straightedge to draw 2 new examples of each polygon that are different from those you drew on the first page.

a. Quadrilateral

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b. Hexagon

--	--

c. Pentagon

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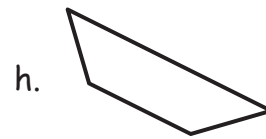
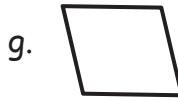
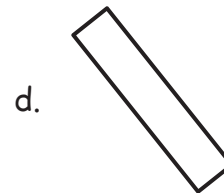
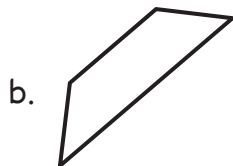
d. Triangle

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Name \_\_\_\_\_ Date \_\_\_\_\_

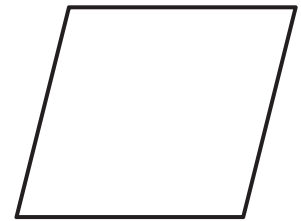
1. Use your ruler to draw 2 parallel lines that are not the same length.
2. Use your ruler to draw 2 parallel lines that are the same length.
3. Trace the parallel lines on each quadrilateral using a crayon. For each shape with two sets of parallel lines, use two different colors. Use your index card to find each square corner, and box it.



4. Draw a parallelogram with no square corners.

5. Draw a quadrilateral with 4 square corners.

6. Measure and label the sides of the figure to the right with your centimeter ruler. What do you notice? Be ready to talk about the attributes of this quadrilateral. Can you remember what this polygon is called?



7. A square is a special rectangle. What makes it special?

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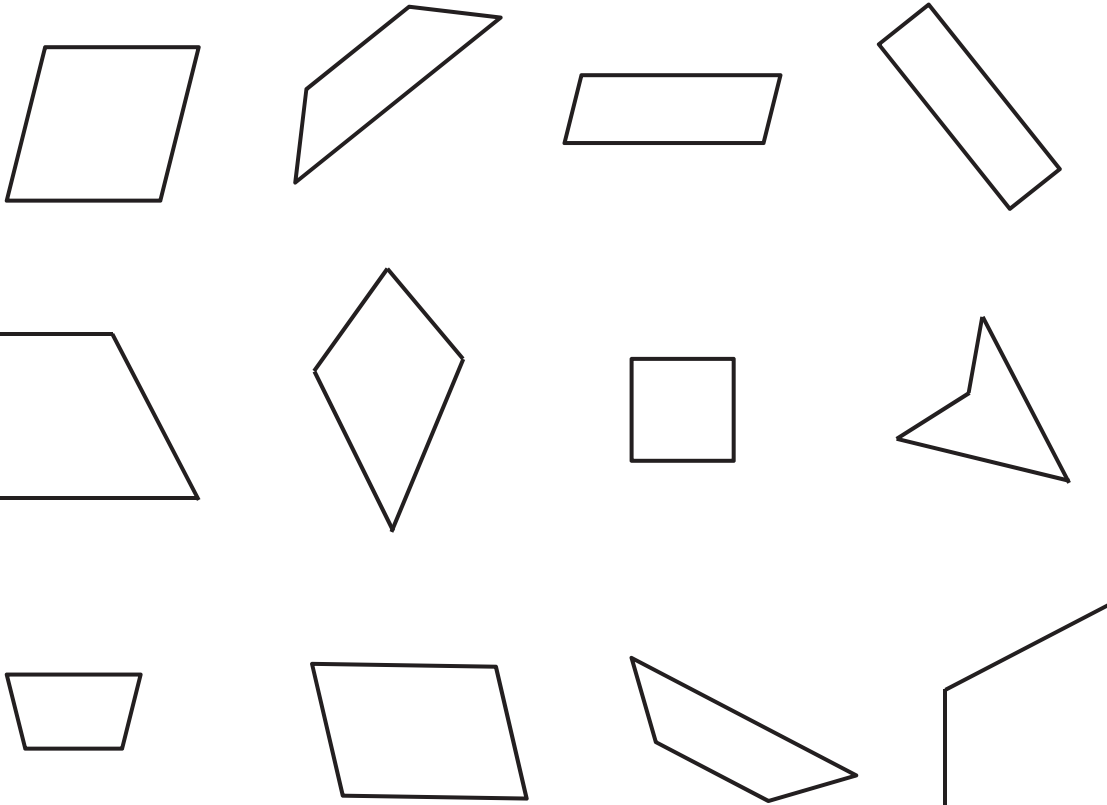


5. A square is a special rectangle. What makes it special?

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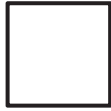
6. Color each quadrilateral with 4 square corners and two sets of parallel sides red.  
Color each quadrilateral with no square corners and no parallel sides blue.  
Circle each quadrilateral with one or more sets of parallel sides green.



Name \_\_\_\_\_

Date \_\_\_\_\_

1. Circle the shape that could be the face of a cube.



2. What is the most precise name of the shape you circled? \_\_\_\_\_

3. How many faces does a cube have? \_\_\_\_\_

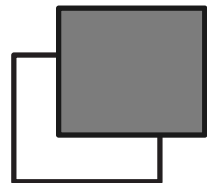
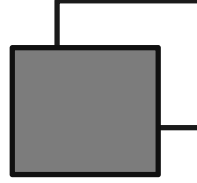
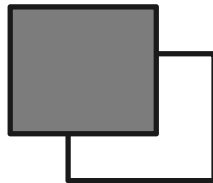
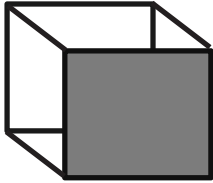
4. How many edges does a cube have? \_\_\_\_\_

5. How many corners does a cube have? \_\_\_\_\_

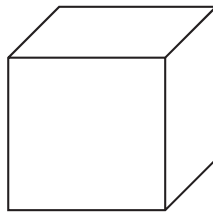
6. Draw 6 cubes, and put a star next to your best one.

First cube	Second cube
Third cube	Fourth cube
Fifth cube	Sixth cube

7. Connect the corners of the squares to make a different kind of drawing of a cube. The first one is done for you.



8. Derrick looked at the cube below. He said that a cube only has 3 faces. Explain why Derrick is incorrect.



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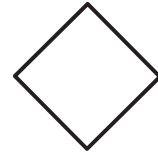
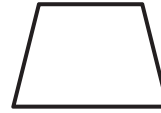
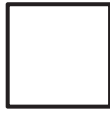
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Name \_\_\_\_\_

Date \_\_\_\_\_

1. Circle the shapes that could be the face of a cube.



2. What is the most precise name of the shape you circled? \_\_\_\_\_

3. How many corners does a cube have? \_\_\_\_\_

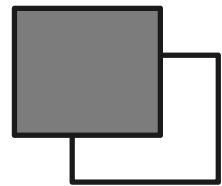
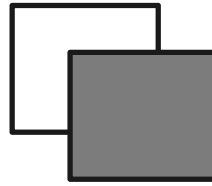
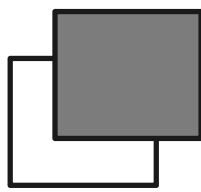
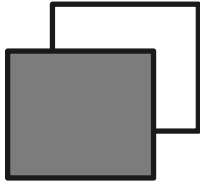
4. How many edges does a cube have? \_\_\_\_\_

5. How many faces does a cube have? \_\_\_\_\_

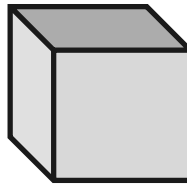
6. Draw 6 cubes, and put a star next to your best one.

First cube	Second cube
Third cube	Fourth cube
Fifth cube	Sixth cube

7. Connect the corners of the squares to make a different kind of drawing of a cube.



8. Patricia used the image of the cube below to count 7 corners. Explain where the 8<sup>th</sup> corner is hiding.



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Name \_\_\_\_\_

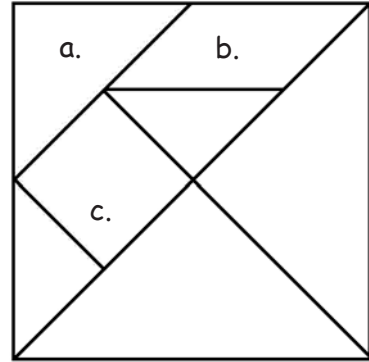
Date \_\_\_\_\_

1. Identify each polygon labeled in the tangram as precisely as possible in the space below.

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_



2. Use the square and the two smallest triangles of your tangram pieces to make the following polygons. Draw them in the space provided.

<p>a. A quadrilateral with 1 pair of parallel sides.</p>	<p>b. A quadrilateral with no square corners.</p>
<p>c. A quadrilateral with 4 square corners.</p>	<p>d. A triangle with 1 square corner.</p>

3. Use the parallelogram and the two smallest triangles of your tangram pieces to make the following polygons. Draw them in the space provided.

a. A quadrilateral with 1 pair of parallel sides.	b. A quadrilateral with no square corners.
c. A quadrilateral with 4 square corners.	d. A triangle with 1 square corner.

4. Rearrange the parallelogram and the two smallest triangles to make a hexagon. Draw the new shape below.
5. Rearrange your tangram pieces to make other polygons! Identify them as you work.

Name \_\_\_\_\_

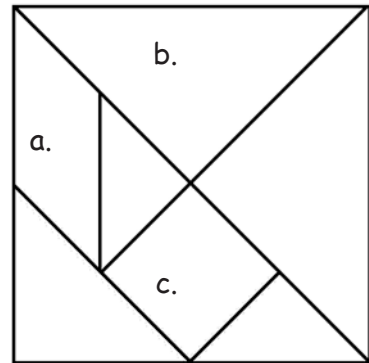
Date \_\_\_\_\_

1. Identify each polygon labeled in the tangram as precisely as possible in the space below.

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_



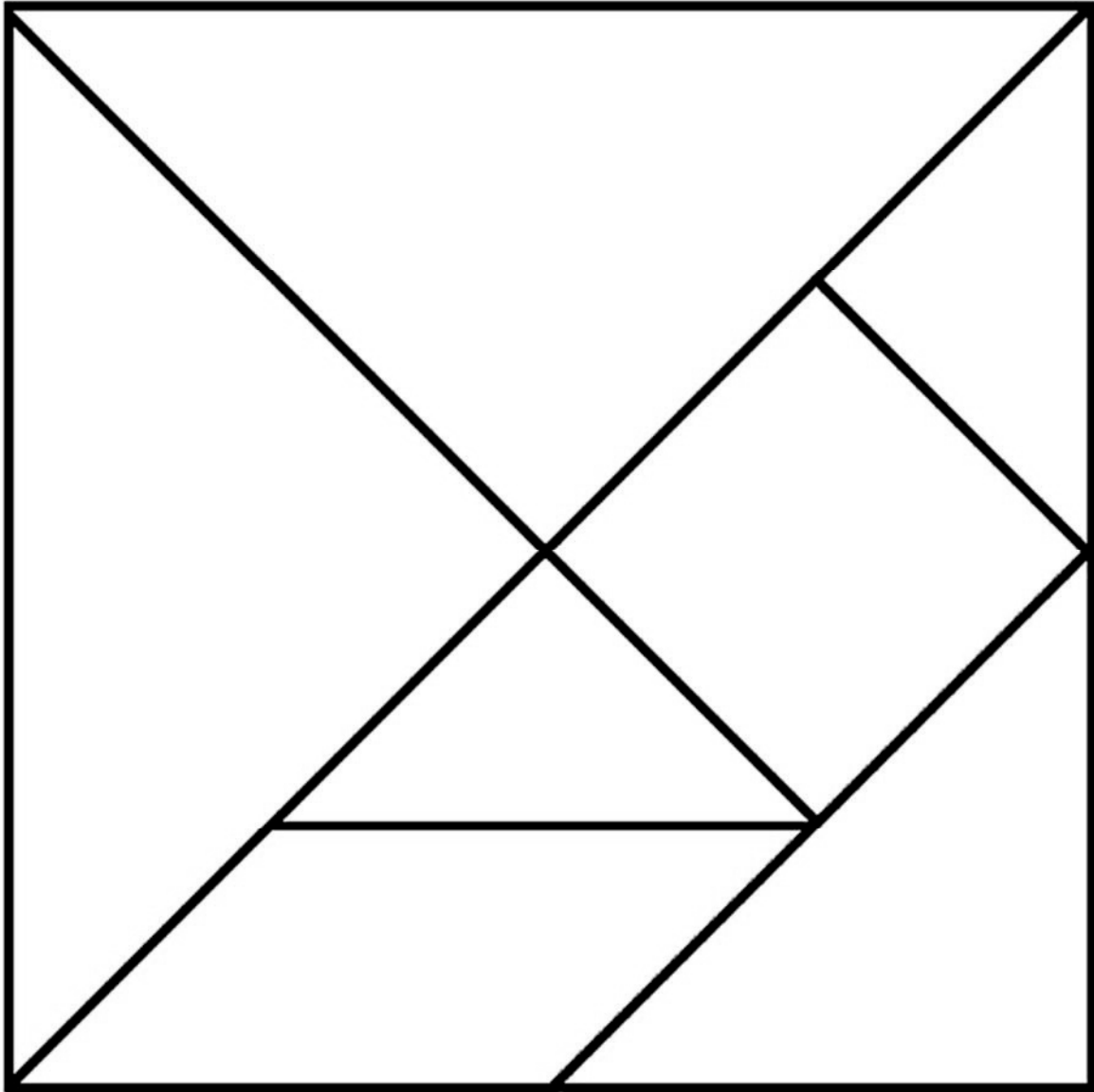
2. Use the square and the two smallest triangles of your tangram pieces to make the following polygons. Draw them in the space provided.

a. A triangle with 1 square corner.	b. A quadrilateral with 4 square corners.
c. A quadrilateral with no square corners.	d. A quadrilateral with only 1 pair of parallel sides.

3. Rearrange the parallelogram and the two smallest triangles of your tangram pieces to make a hexagon. Draw the new shape below.

4. Rearrange your tangram pieces to make at least 6 other polygons! Draw and name them below.


Cut the tangram into 7 puzzle pieces.



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tangram

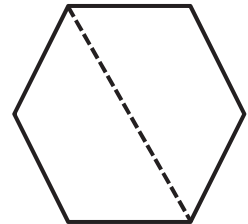
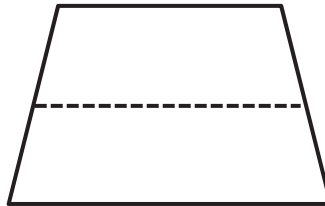
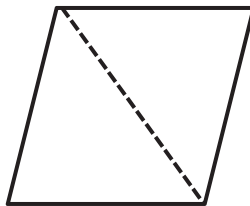
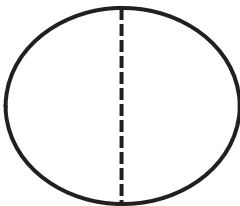
Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve the following puzzles using your tangram pieces. Draw your solutions in the space below.

<p>a. Use the two smallest triangles to make one larger triangle.</p>	<p>b. Use the two smallest triangles to make a parallelogram with no square corners.</p>
<p>c. Use the two smallest triangles to make a square.</p>	<p>d. Use the two largest triangles to make a square.</p>
<p>e. How many equal shares do the larger shapes in Parts (a-d) have?</p>	<p>f. How many halves make up the larger shapes in Parts (a-d)?</p>

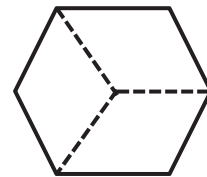
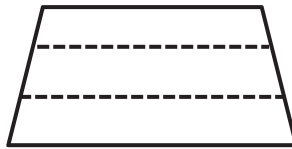
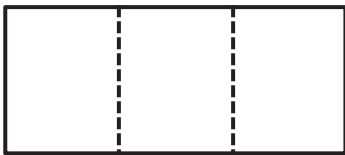
2. Circle the shapes that show halves.



3. Show how 3 triangle pattern blocks form a trapezoid with one pair of parallel lines. Draw the shape below.

- a. How many equal shares does the trapezoid have? \_\_\_\_\_  
 b. How many thirds are in the trapezoid? \_\_\_\_\_

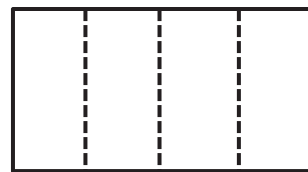
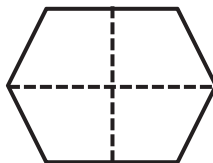
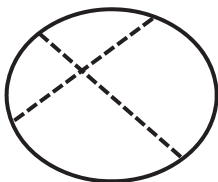
4. Circle the shapes that show thirds.



5. Add another triangle to the trapezoid you made in Problem 3 to make a parallelogram. Draw the new shape below.

- a. How many equal shares does the shape have now? \_\_\_\_\_  
 b. How many fourths are in the shape? \_\_\_\_\_

6. Circle the shapes that show fourths.



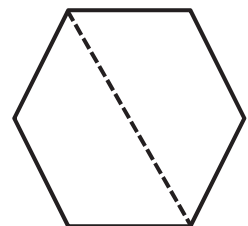
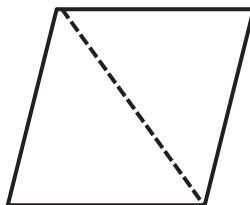
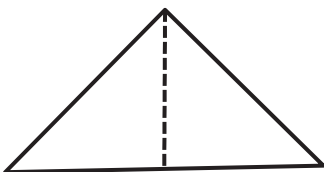
Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve the following puzzles using your tangram pieces. Draw your solutions in the space below.

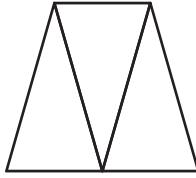
a. Use the two largest triangles to make a square.	b. Use the two smallest triangles to make a square.
c. Use the two smallest triangles to make a parallelogram with no square corners.	d. Use the two smallest triangles to make one larger triangle.
e. How many equal shares do the larger shapes in Parts (a-d) have?	f. How many halves make up the larger shapes in Parts (a-d)?

2. Circle the shapes that show halves.



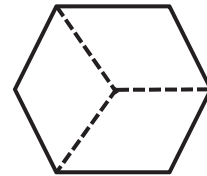
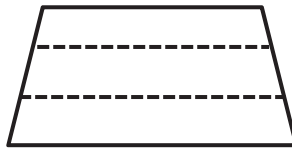
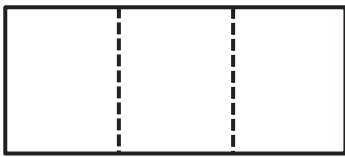


3. Examine the trapezoid.

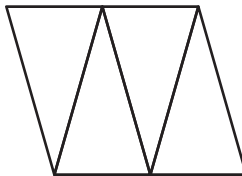


- a. How many equal shares does the trapezoid have? \_\_\_\_\_
- b. How many thirds are in the trapezoid? \_\_\_\_\_

4. Circle the shapes that show thirds.

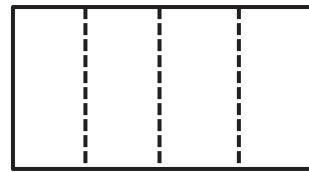
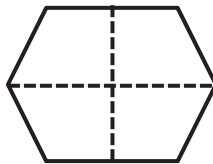
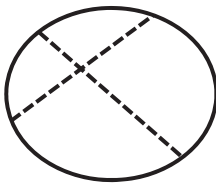


5. Examine the parallelogram.



- a. How many equal shares does the shape have? \_\_\_\_\_
- b. How many fourths are in the shape? \_\_\_\_\_

6. Circle the shapes that show fourths.



Name \_\_\_\_\_

Date \_\_\_\_\_

1. Use one pattern block to cover half the rhombus.
  - a. Identify the pattern block used to cover half of the rhombus. \_\_\_\_\_
  - b. Draw a picture of the rhombus formed by the 2 halves.
  
2. Use one pattern block to cover half the hexagon.
  - a. Identify the pattern block used to cover half of a hexagon. \_\_\_\_\_
  - b. Draw a picture of the hexagon formed by the 2 halves.
  
3. Use one pattern block to cover 1 third of the hexagon.
  - a. Identify the pattern block used to cover 1 third of a hexagon. \_\_\_\_\_
  - b. Draw a picture of the hexagon formed by the 3 thirds.
  
4. Use one pattern block to cover 1 third of the trapezoid.
  - a. Identify the pattern block used to cover 1 third of a trapezoid. \_\_\_\_\_
  - b. Draw a picture of the trapezoid formed by the 3 thirds.

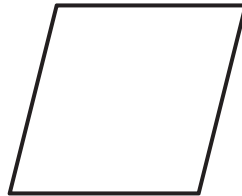
5. Use 4 pattern block squares to make one larger square.
- Draw a picture of the square formed in the space below.
  - Shade 1 small square. Each small square is 1 \_\_\_\_\_ (half / third / fourth) of the whole square.
  - Shade 1 more small square. Now, 2 \_\_\_\_\_ (halves / thirds / fourths) of the whole square is shaded.
  - And 2 fourths of the square is the same as 1 \_\_\_\_\_ (half / third / fourth) of the whole square.
  - Shade 2 more small squares. \_\_\_\_\_ fourths is equal to 1 whole.
6. Use one pattern block to cover 1 sixth of the hexagon.
- Identify the pattern block used to cover 1 sixth of a hexagon. \_\_\_\_\_
  - Draw a picture of the hexagon formed by the 6 sixths.

Name \_\_\_\_\_

Date \_\_\_\_\_

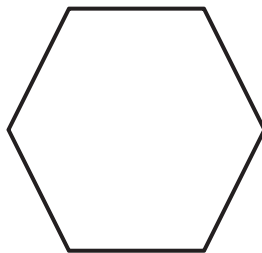
1. Name the pattern block used to cover half the rhombus. \_\_\_\_\_

Sketch the 2 pattern blocks used to cover both halves of the rhombus.



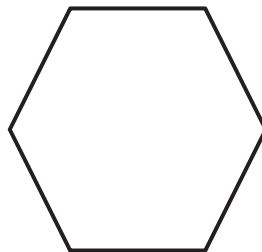
2. Name the pattern block used to cover half the hexagon. \_\_\_\_\_

Sketch the 2 pattern blocks used to cover both halves of the hexagon.



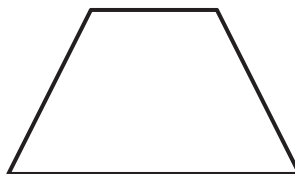
3. Name the pattern block used to cover 1 third of the hexagon. \_\_\_\_\_

Sketch the 3 pattern blocks used to cover thirds of the hexagon.



4. Name the pattern block used to cover 1 third of the trapezoid. \_\_\_\_\_

Sketch the 3 pattern blocks used to cover thirds of the trapezoid.

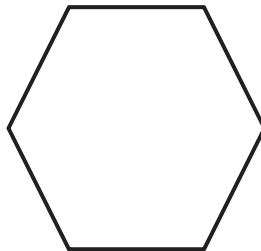


5. Draw 2 lines to make 4 squares in the square below.



- a. Shade 1 small square. Each small square is 1 \_\_\_\_\_ (half / third / fourth) of the whole square.
- b. Shade 1 more small square. Now, 2 \_\_\_\_\_ (halves / thirds / fourths) of the whole square are shaded.
- c. And 2 fourths of the square is the same as 1 \_\_\_\_\_ (half / third / fourth) of the whole square.
- d. Shade 2 more small squares. \_\_\_\_\_ fourths is equal to 1 whole.

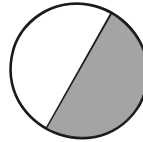
6. Name the pattern block used to cover 1 sixth of the hexagon. \_\_\_\_\_  
Sketch the 6 pattern blocks used to cover 6 sixths of the hexagon.



Name \_\_\_\_\_

Date \_\_\_\_\_

1. Circle the shapes that have 2 equal shares with 1 share shaded.

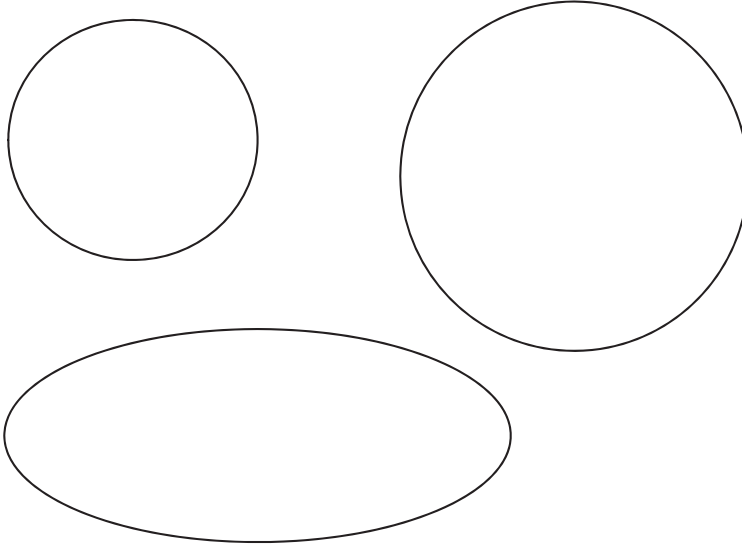


2. Shade 1 half of the shapes that are split into 2 equal shares. One has been done for you.

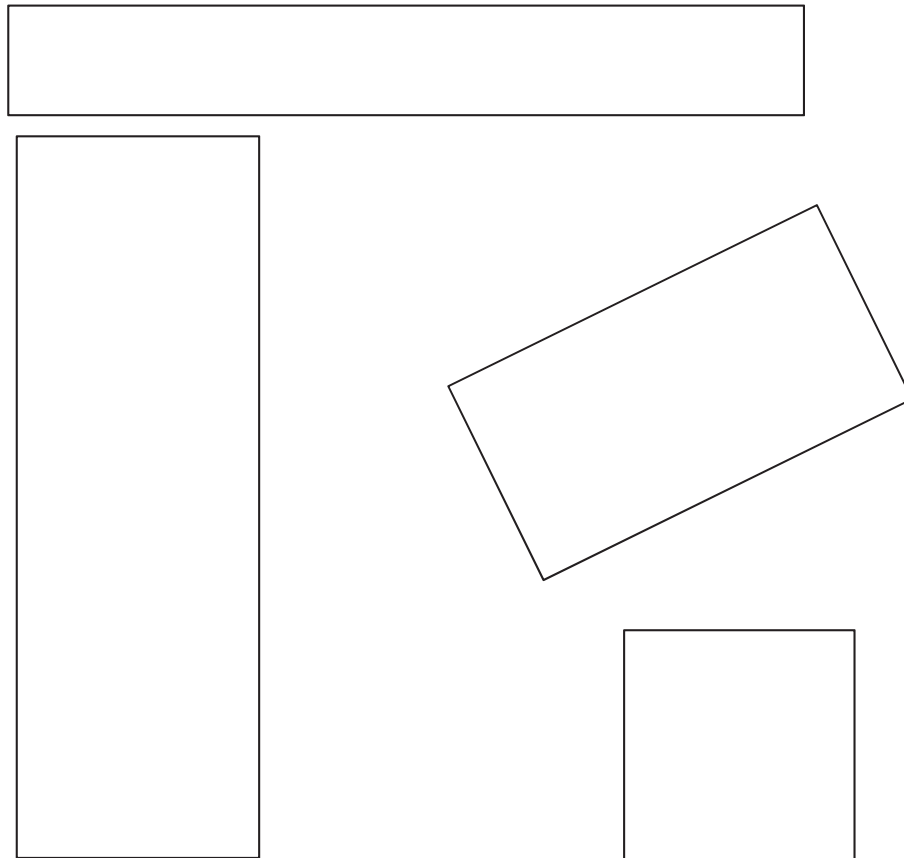
<p>a.</p>	<p>b.</p>	<p>c.</p>	<p>d.</p>
<p>e.</p>	<p>f.</p>	<p>g.</p>	<p>h.</p>
<p>i.</p>	<p>j.</p>	<p>k.</p>	

3. Partition the shapes to show halves. Shade 1 half of each. Compare your halves to your partner's.

a.



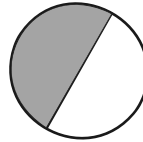
b.



Name \_\_\_\_\_

Date \_\_\_\_\_

1. Circle the shapes that have 2 equal shares with 1 share shaded.

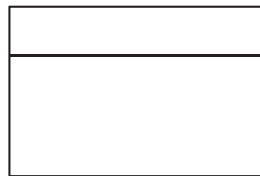


2. Shade 1 half of the shapes that are split into 2 equal shares. One has been done for you.

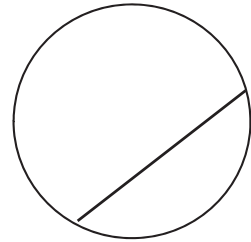
a.



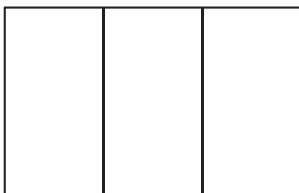
b.



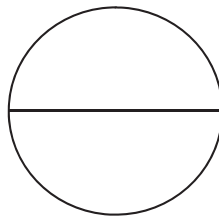
c.



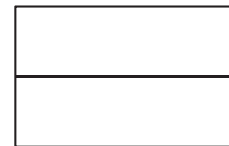
d.



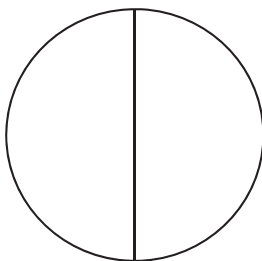
e.



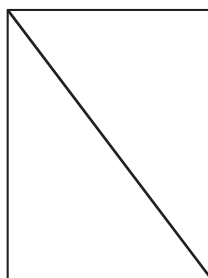
f.



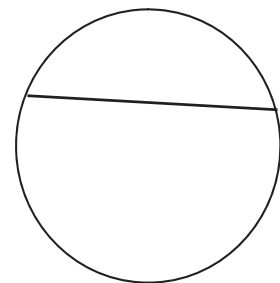
g.



h.

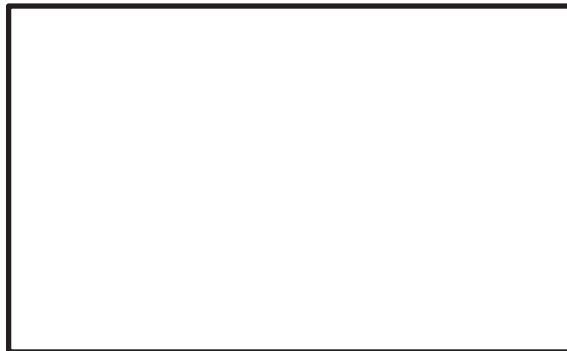
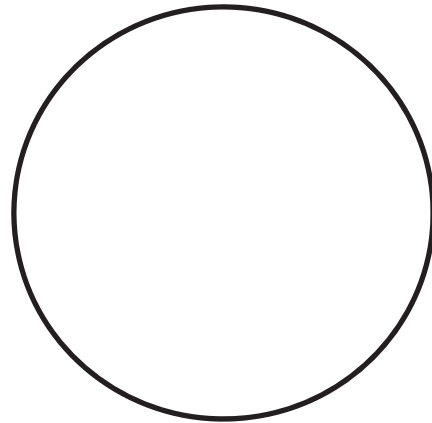
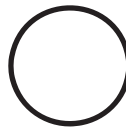
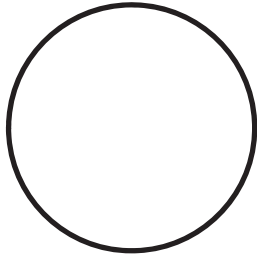


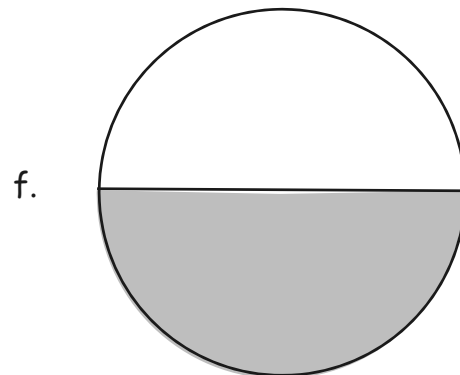
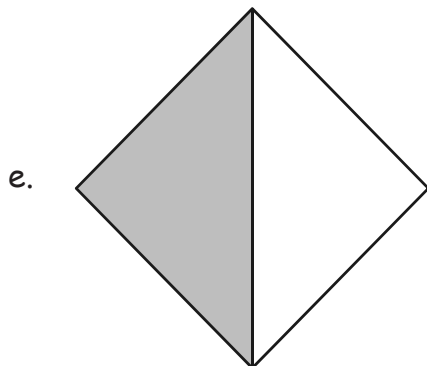
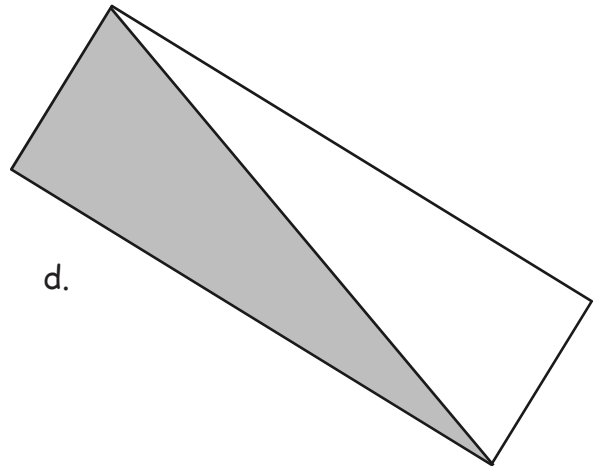
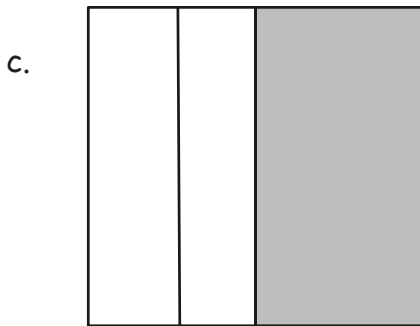
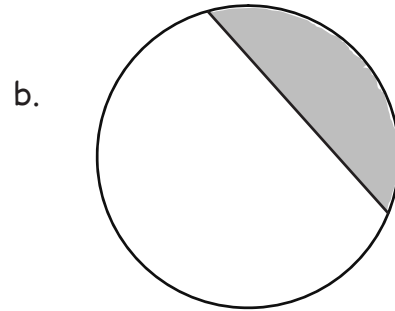
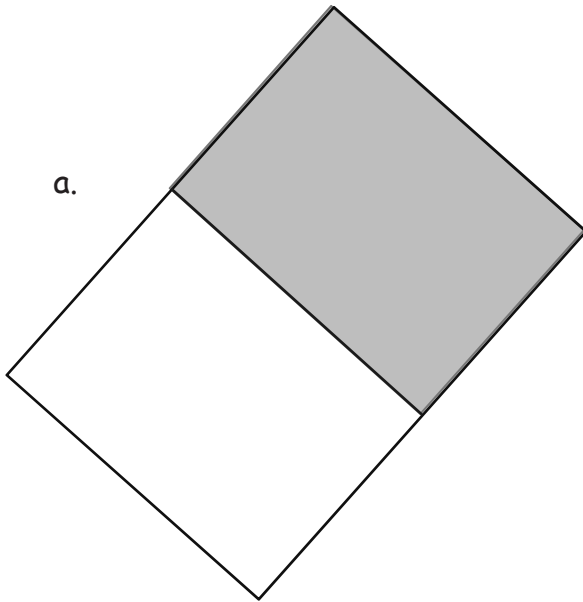
i.





3. Partition the shapes to show halves. Shade 1 half of each.



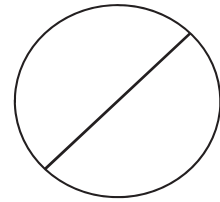
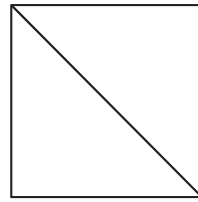
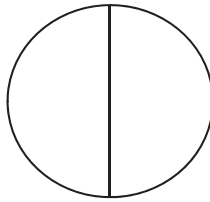
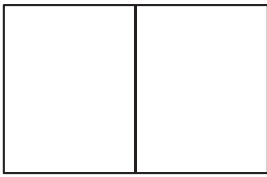


shaded shapes

Name \_\_\_\_\_

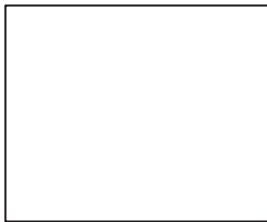
Date \_\_\_\_\_

1. a. Do the shapes in Problem 1(a) show halves or thirds? \_\_\_\_\_

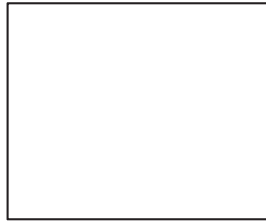


- b. Draw 1 more line to partition each shape above into fourths.

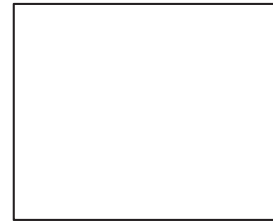
2. Partition each rectangle into thirds. Then, shade the shapes as indicated.



3 thirds

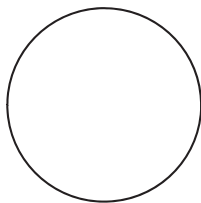


2 thirds

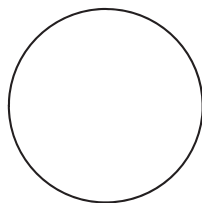


1 third

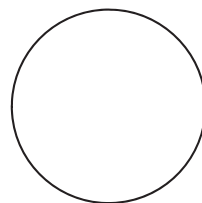
3. Partition each circle into fourths. Then, shade the shapes as indicated.



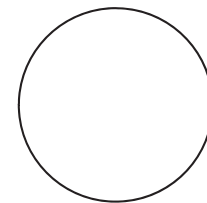
4 fourths



3 fourths



2 fourths



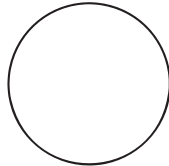
1 fourth

4. Partition and shade the following shapes as indicated. Each rectangle or circle is one whole.

a. 1 fourth



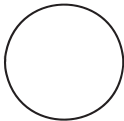
b. 1 third



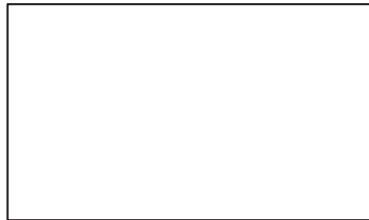
c. 1 half



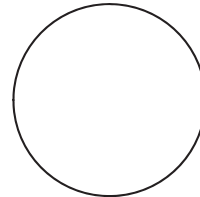
d. 2 fourths



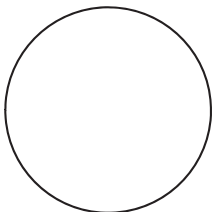
e. 2 thirds



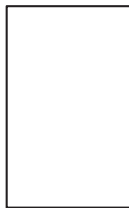
f. 2 halves



g. 3 fourths



h. 3 thirds



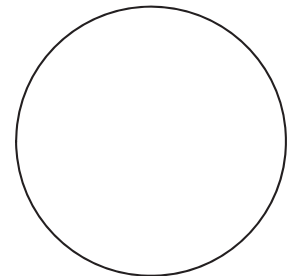
i. 3 halves



5. Split the pizza below so that Maria, Paul, Jose, and Mark each have an equal share. Label each student's share with his or her name.

a. What fraction of the pizza was eaten by each of the boys?

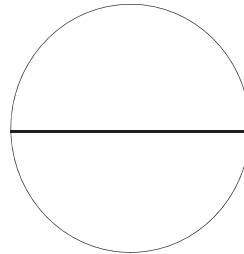
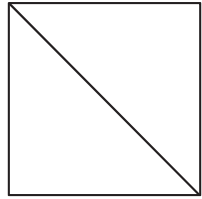
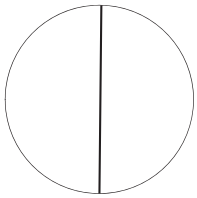
b. What fraction of the pizza did the boys eat altogether?



Name \_\_\_\_\_

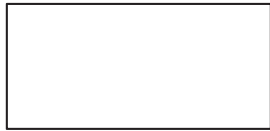
Date \_\_\_\_\_

1. a. Do the shapes below show halves or thirds? \_\_\_\_\_



- b. Draw 1 more line to partition each shape above into fourths.

2. Partition each rectangle into thirds. Then, shade the shapes as indicated.



2 thirds

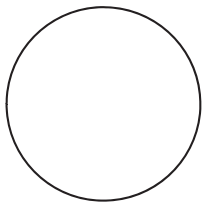


1 third

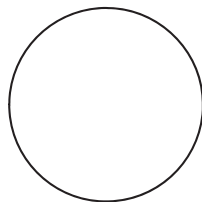


3 thirds

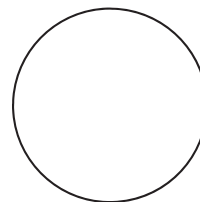
3. Partition each circle into fourths. Then, shade the shapes as indicated.



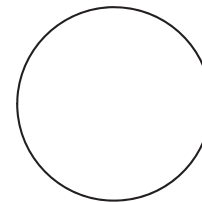
1 fourth



3 fourths



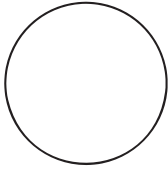
4 fourths



2 fourths

4. Partition and shade the following shapes. Each rectangle or circle is one whole.

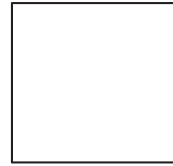
a. 1 half



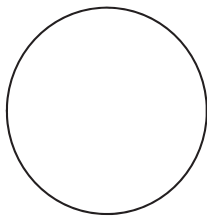
b. 1 fourth



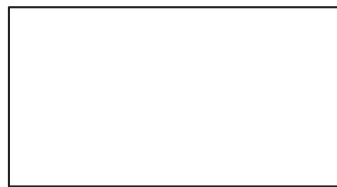
c. 1 third



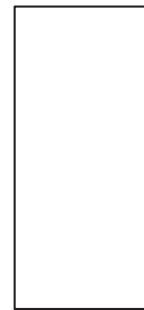
d. 2 fourths



e. 2 halves



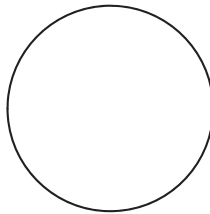
f. 2 thirds



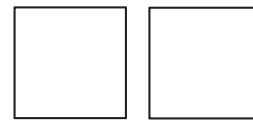
g. 3 thirds



h. 3 fourths

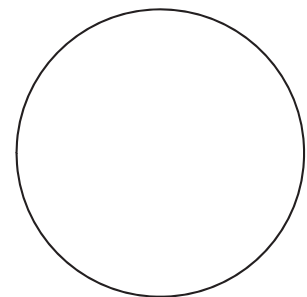


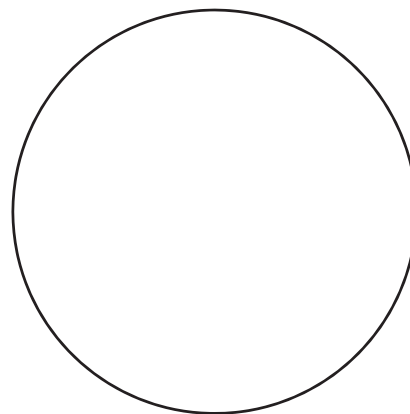
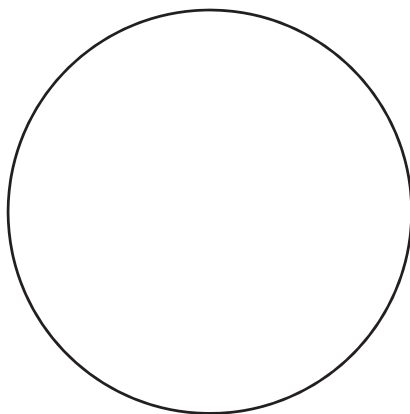
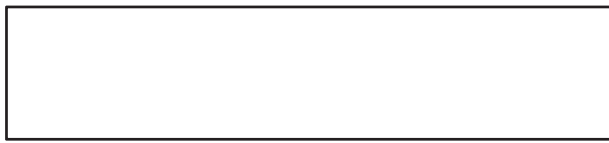
i. 3 halves



5. Split the pizza below so that Shane, Raul, and John all have an equal share. Label each student's share with his name.

What fraction of the pizza did the boys get in all?





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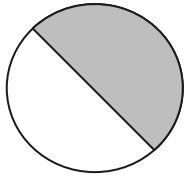
rectangles and circles

Name \_\_\_\_\_

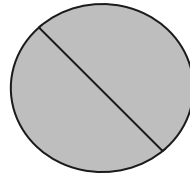
Date \_\_\_\_\_

1. For Parts (a), (c), and (e), identify the shaded area.

a.



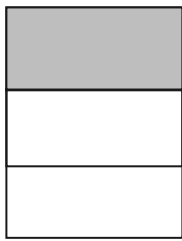
\_\_\_\_\_ half



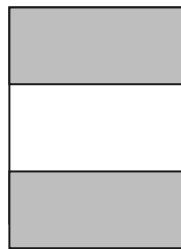
\_\_\_\_\_ halves

b. Circle the shape above that has a shaded area that shows 1 whole.

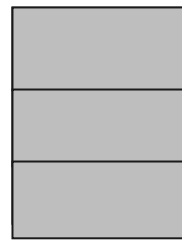
c.



\_\_\_\_\_ third



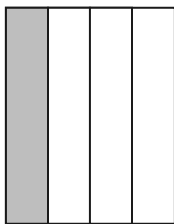
\_\_\_\_\_ thirds



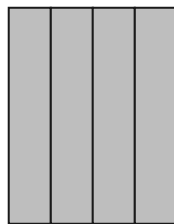
\_\_\_\_\_ thirds

d. Circle the shape above that has a shaded area that shows 1 whole.

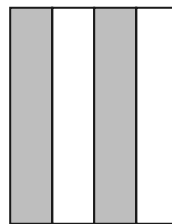
e.



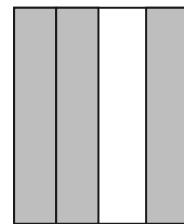
\_\_\_\_\_ fourth



\_\_\_\_\_ fourths



\_\_\_\_\_ fourths

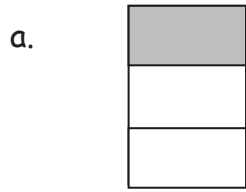


\_\_\_\_\_ fourths

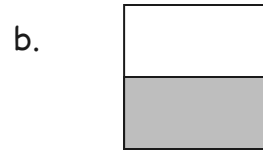
f. Circle the shape above that has a shaded area that shows 1 whole.



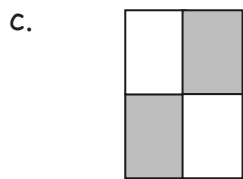
2. What fraction do you need to color so that 1 whole is shaded?



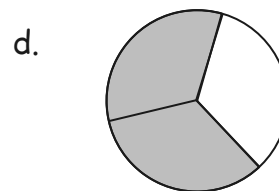
\_\_\_\_\_



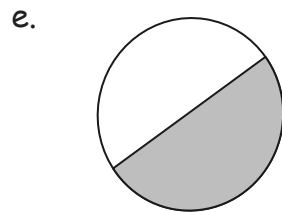
\_\_\_\_\_



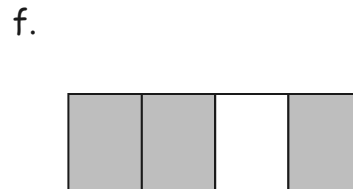
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

3. Complete the drawing to show 1 whole.

a. This is 1 half.  
Draw 1 whole.



b. This is 1 third.  
Draw 1 whole.



c. This is 1 fourth.  
Draw 1 whole.

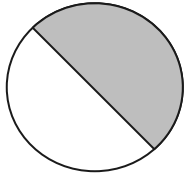


Name \_\_\_\_\_

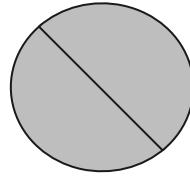
Date \_\_\_\_\_

1. For Parts (a), (c), and (e), identify the shaded area.

a.



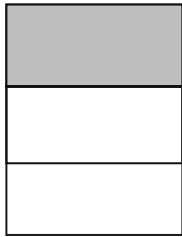
\_\_\_\_\_ half



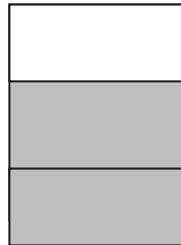
\_\_\_\_\_ halves

b. Circle the shape above that has a shaded area that shows 1 whole.

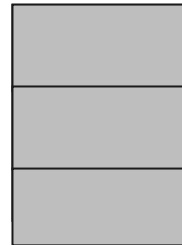
c.



\_\_\_\_\_ third



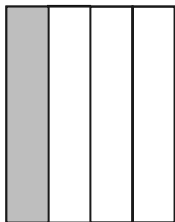
\_\_\_\_\_ thirds



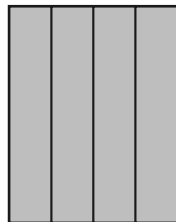
\_\_\_\_\_ thirds

d. Circle the shape above that has a shaded area that shows 1 whole.

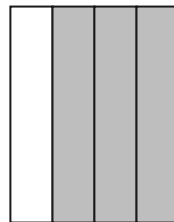
e.



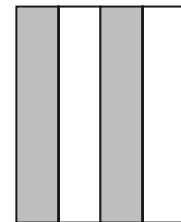
\_\_\_\_\_ fourth



\_\_\_\_\_ fourths



\_\_\_\_\_ fourths



\_\_\_\_\_ fourths

f. Circle the shape above that has a shaded area that shows 1 whole.

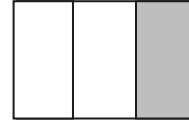
2. What fraction do you need to color so that 1 whole is shaded?

a.



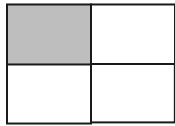
\_\_\_\_\_

b.



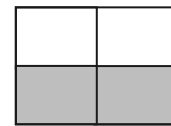
\_\_\_\_\_

c.



\_\_\_\_\_

d.



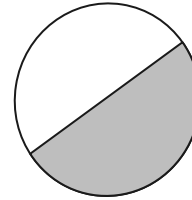
\_\_\_\_\_

e.



\_\_\_\_\_

f.



\_\_\_\_\_

3. Complete the drawing to show 1 whole.

a. This is 1 half.  
Draw 1 whole.



b. This is 1 third.  
Draw 1 whole.



c. This is 1 fourth.  
Draw 1 whole.



Name \_\_\_\_\_

Date \_\_\_\_\_

1. Partition the rectangles in 2 different ways to show equal shares.

a. 2 halves



b. 3 thirds



c. 4 fourths



2. Build the original whole square using the rectangle half and the half represented by your 4 small triangles. Draw it in the space below.

3. Use different-colored halves of a whole square.
  - a. Cut the square in half to make 2 equal-size rectangles.
  - b. Rearrange the halves to create a new rectangle with no gaps or overlaps.
  - c. Cut each equal part in half to make 4 equal-size squares.
  - d. Rearrange the new equal shares to create different polygons.
  - e. Draw one of your new polygons from Part (d) below.

#### Extension

4. Cut out the circle.
  - a. Cut the circle in half.
  - b. Rearrange the halves to create a new shape with no gaps or overlaps.
  - c. Cut each equal share in half.
  - d. Rearrange the equal shares to create a new shape with no gaps or overlaps.
  - e. Draw your new shape from Part (d) below.

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Partition the rectangles in 2 different ways to show equal shares.

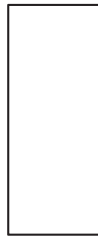
a. 2 halves



b. 3 thirds



c. 4 fourths



d. 2 halves



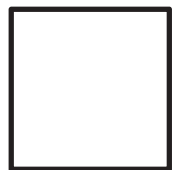
e. 3 thirds



f. 4 fourths



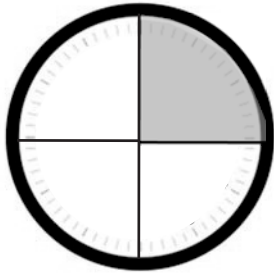
2. Cut out the square at the bottom of this page.
  - a. Cut the square in half to make 2 equal-size rectangles. Shade 1 half using your pencil.
  - b. Rearrange the halves to create a new rectangle with no gaps or overlaps.
  - c. Cut each equal part in half to make 4 equal-size squares.
  - d. Rearrange the new equal shares to create different polygons.
  - e. Draw one of your new polygons from Part (d) below. One half is shaded!



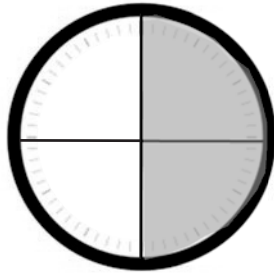
Name \_\_\_\_\_

Date \_\_\_\_\_

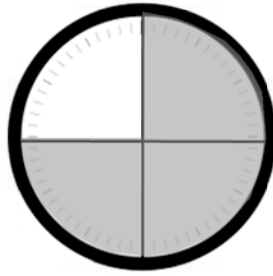
1. Tell what fraction of each clock is shaded in the space below using the words *quarter*, *quarters*, *half*, or *halves*.



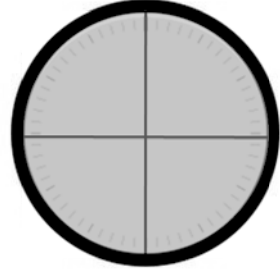
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

2. Write the time shown on each clock.

a.



\_\_\_\_\_

b.



\_\_\_\_\_

c.



\_\_\_\_\_

d.



\_\_\_\_\_



3. Match each time to the correct clock by drawing a line.

- Quarter to 4



- Half past 8



- 8:30

- 3:45



- 1:15

3. Draw the minute hand on the clock to show the correct time.



3:45



11:30

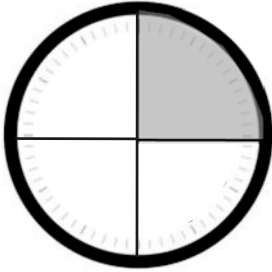


6:15

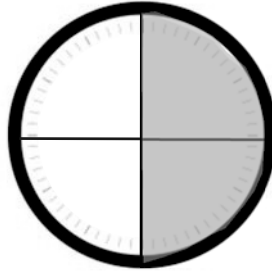
Name \_\_\_\_\_

Date \_\_\_\_\_

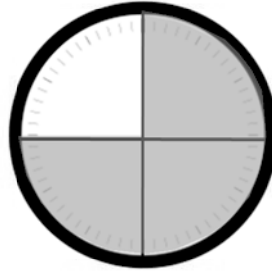
1. Tell what fraction of each clock is shaded in the space below using the words *quarter*, *quarters*, *half*, or *halves*.



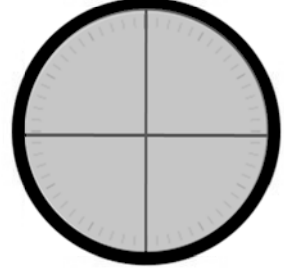
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

2. Write the time shown on each clock.

a.



\_\_\_\_\_

b.



\_\_\_\_\_

c.



\_\_\_\_\_

d.



\_\_\_\_\_

3. Match each time to the correct clock by drawing a line.

- Quarter to 5



- Half past 5



- 5:15

- Quarter after 5



- 4:45

4. Draw the minute hand on the clock to show the correct time.



3:30



11:45



6:15

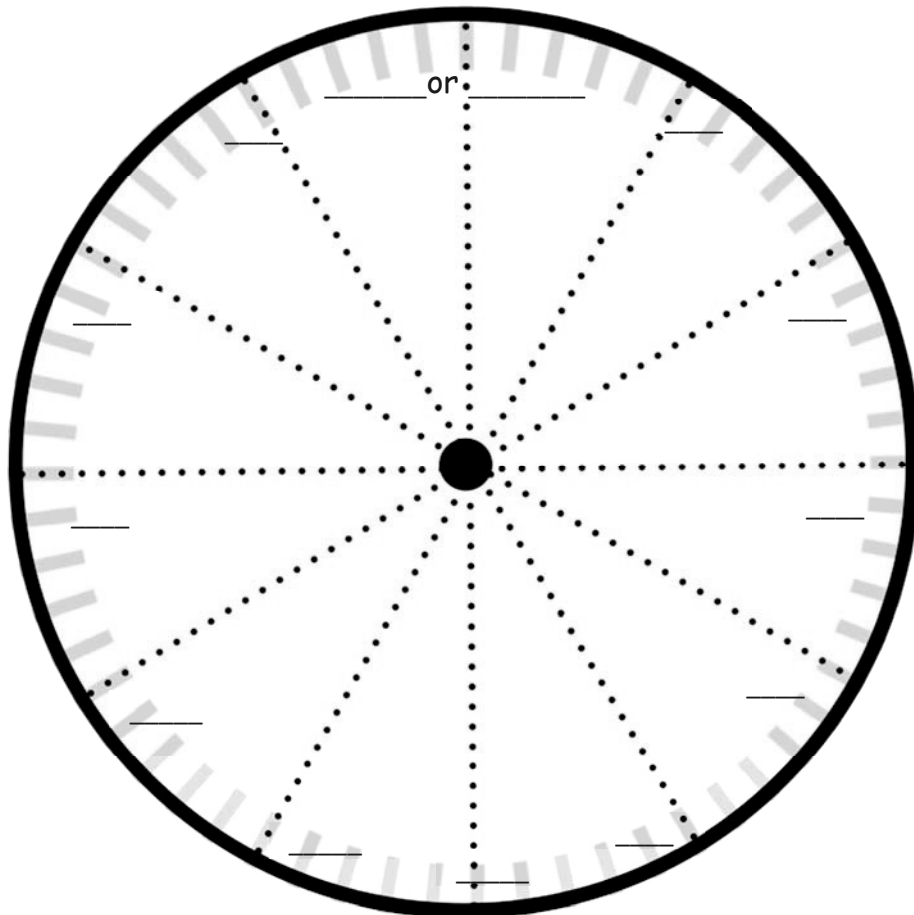
Name \_\_\_\_\_

Date \_\_\_\_\_

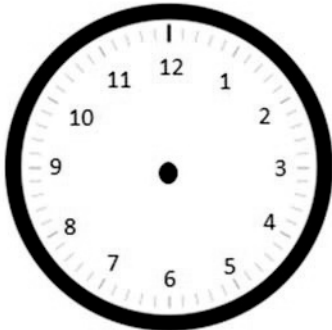
1. Fill in the missing numbers.

60, 55, 50, \_\_\_\_\_, 40, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 20, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

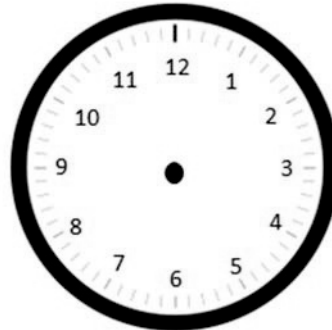
2. Fill in the missing numbers on the face of the clock to show the minutes.



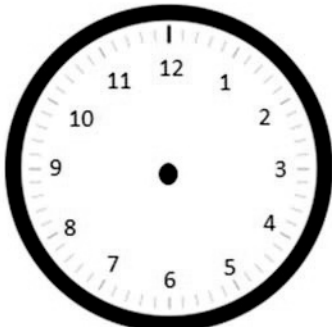
3. Draw the hour and minute hands on the clocks to match the correct time.



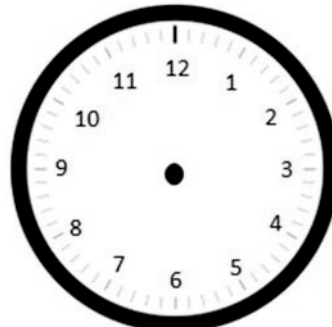
3:05



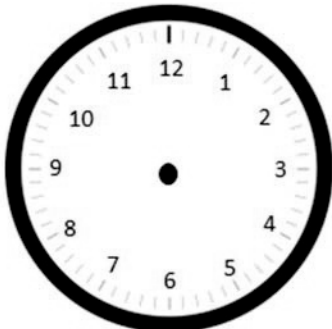
3:35



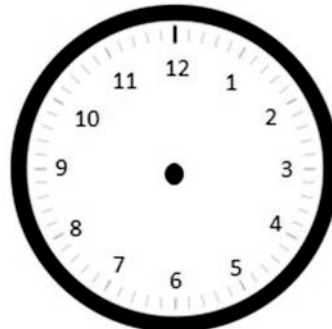
4:10



4:40



6:25



6:55

4. What time is it?



\_\_\_\_\_



\_\_\_\_\_

Name \_\_\_\_\_

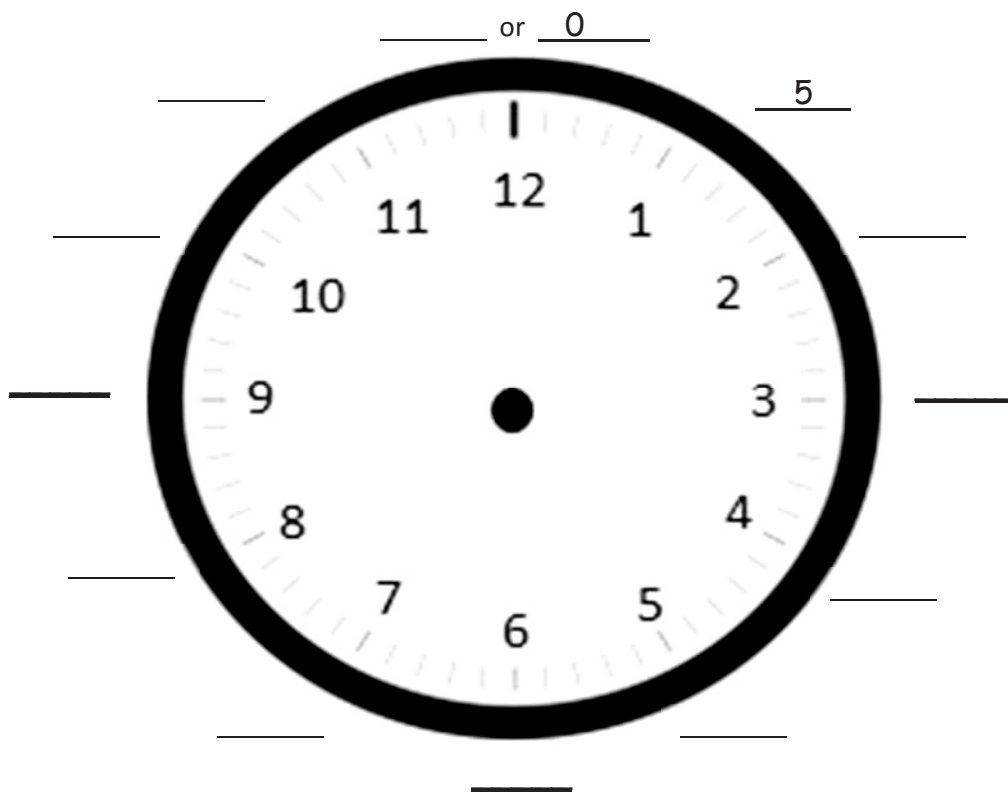
Date \_\_\_\_\_

1. Fill in the missing numbers.

0, 5, 10, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 35, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 45, 40, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 20, 15, \_\_\_\_\_, \_\_\_\_\_

2. Fill in the missing minutes on the face of the clock.



3. Draw the minute hands on the clocks to match the correct time.



3:25



7:15



9:55

4. Draw the hour hands on the clocks to match the correct time.



12:30

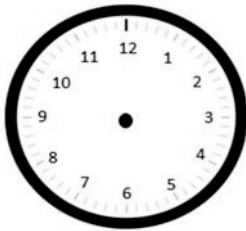


10:10

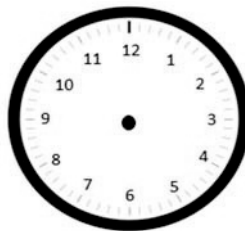


3:45

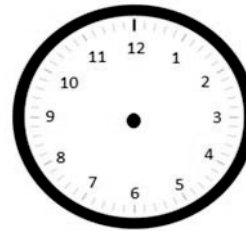
5. Draw the hour and minute hands on the clocks to match the correct time.



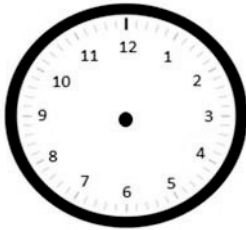
6:55



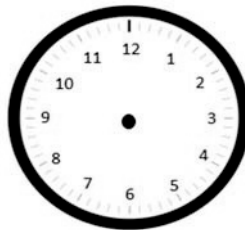
1:50



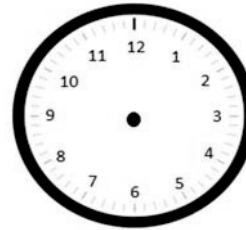
8:25



4:40



7:45



2:05

6. What time is it?



\_\_\_\_\_



\_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Decide whether the activity below would happen in the a.m. or the p.m. Circle your answer.

a. Waking up for school                      a.m. / p.m.

b. Eating dinner                                a.m. / p.m.

c. Reading a bedtime story                a.m. / p.m.

d. Making breakfast                         a.m. / p.m.

e. Having a play date after school        a.m. / p.m.

f. Going to bed                                 a.m. / p.m.

g. Eating a piece of cake                    a.m. / p.m.

h. Eating lunch                                a.m. / p.m.

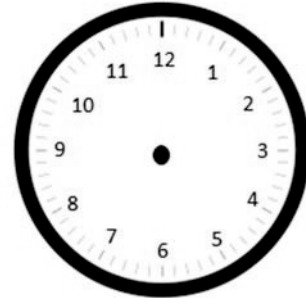


2. Draw the hands on the analog clock to match the time on the digital clock. Then, circle **a.m.** or **p.m.** based on the description given.

a. Brushing your teeth after you wake up

7:10

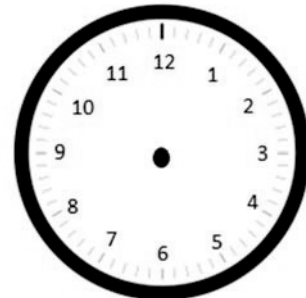
a.m. or p.m.



b. Finishing homework

5:55

a.m. or p.m.



3. Write what you might be doing if it were **a.m.** or **p.m.**

a. **a.m.** \_\_\_\_\_

b. **p.m.** \_\_\_\_\_



4. What time does the clock show?

\_\_\_\_\_ : \_\_\_\_\_





Name \_\_\_\_\_

Date \_\_\_\_\_

1. Decide whether the activity below would happen in the a.m. or the p.m. Circle your answer.

a. Eating breakfast	a.m. / p.m.	b. Doing homework	a.m. / p.m.
c. Setting the table for dinner	a.m. / p.m.	d. Waking up in the morning	a.m. / p.m.
e. After-school dance class	a.m. / p.m.	f. Eating lunch	a.m. / p.m.
g. Going to bed	a.m. / p.m.	h. Heating up dinner	a.m. / p.m.

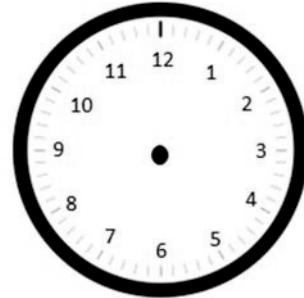
2. Write the time displayed on the clock. Then, choose whether the activity below would happen in the a.m. or the p.m.

<p>a. Brushing your teeth before school</p>  <p>_____ : _____ a.m. / p.m.</p>	<p>b. Eating dessert after dinner</p>  <p>_____ : _____ a.m. / p.m.</p>
--	---

3. Draw the hands on the analog clock to match the time on the digital clock. Then, circle **a.m.** or **p.m.** based on the description given.

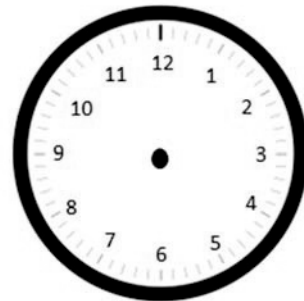
- a. Brushing your teeth before bedtime

**8:15** a.m. or p.m.



- b. Recess after lunch

**12:30** a.m. or p.m.



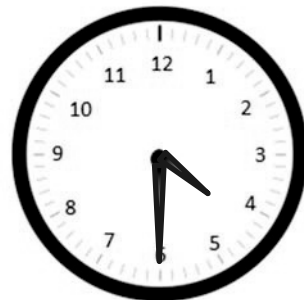
4. Write what you might be doing if it were **a.m.** or **p.m.**

a. **a.m.** \_\_\_\_\_

b. **p.m.** \_\_\_\_\_

c. **a.m.** \_\_\_\_\_

d. **p.m.** \_\_\_\_\_



Write the time. Circle a.m. or p.m.



\_\_\_\_\_ a.m./p.m.

telling time story (large)

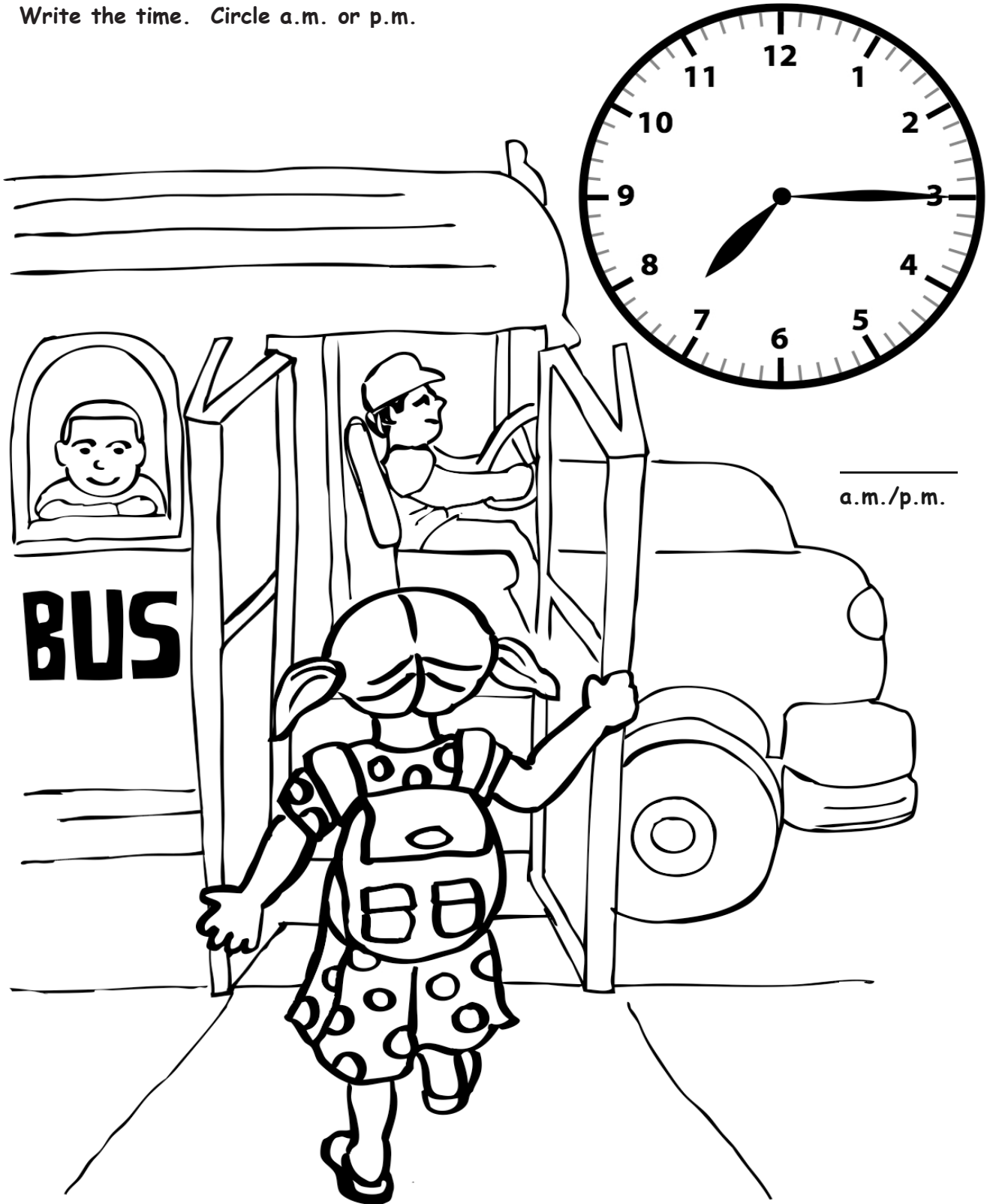
Write the time. Circle a.m. or p.m.



\_\_\_\_\_ a.m./p.m.

telling time story (large)

Write the time. Circle a.m. or p.m.



telling time story (large)

Write the time. Circle a.m. or p.m.



telling time story (large)



Write the time. Circle a.m. or p.m.



telling time story (large)



Write the time. Circle a.m. or p.m.



telling time story (large)

Write the time. Circle a.m. or p.m.



\_\_\_\_\_ a.m./p.m.



telling time story (large)

Write the time. Circle a.m. or p.m.



\_\_\_\_\_ a.m./p.m.

telling time story (large)

Name \_\_\_\_\_

Date \_\_\_\_\_

1. How much time has passed?

a. 6:30 a.m. → 7:00 a.m. \_\_\_\_\_

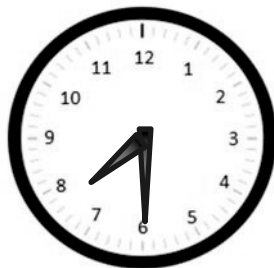
b. 4:00 p.m. → 9:00 p.m. \_\_\_\_\_

c. 11:00 a.m. → 5:00 p.m. \_\_\_\_\_

d. 3:30 a.m. → 10:30 a.m. \_\_\_\_\_

e. 7:00 p.m. → 1:30 a.m. \_\_\_\_\_

f.



p.m.



a.m.

\_\_\_\_\_

g.



a.m.



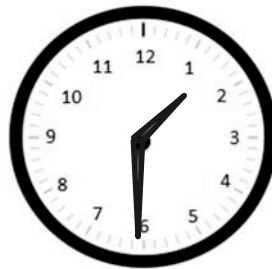
p.m.

\_\_\_\_\_

h.



a.m.



a.m.

\_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

1. How much time has passed?



a. 2:00 p.m. → 8:00 p.m. \_\_\_\_\_



b. 7:30 a.m. → 12:00 p.m. (noon) \_\_\_\_\_



c. 10:00 a.m. → 4:30 p.m. \_\_\_\_\_

d. 1:30 p.m. → 8:30 p.m. \_\_\_\_\_

e. 9:30 a.m. → 2:00 p.m. \_\_\_\_\_

f.  →  \_\_\_\_\_  
p.m. p.m.

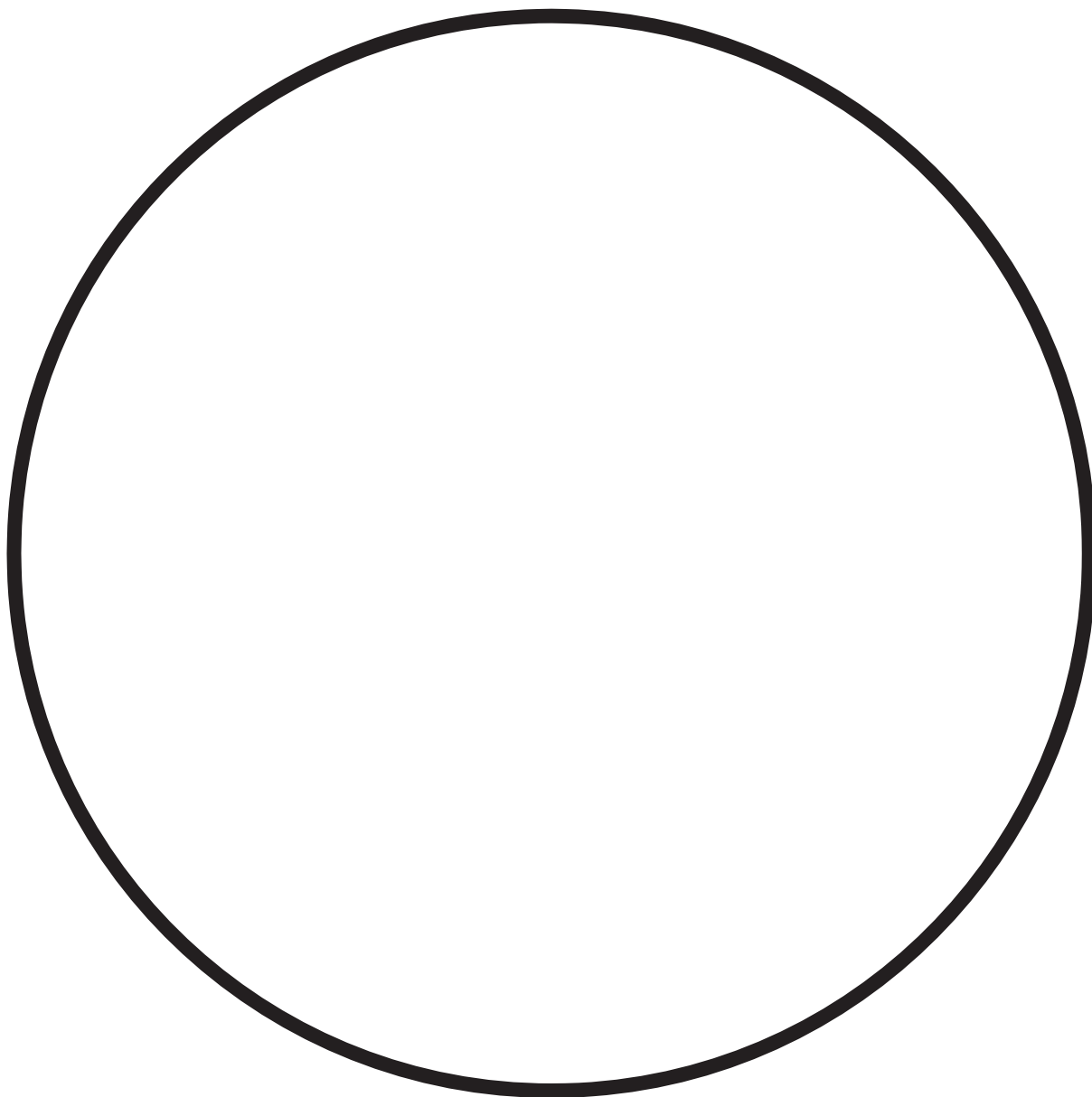
g.  →  \_\_\_\_\_  
a.m. a.m.

h.  →  \_\_\_\_\_  
a.m. p.m.



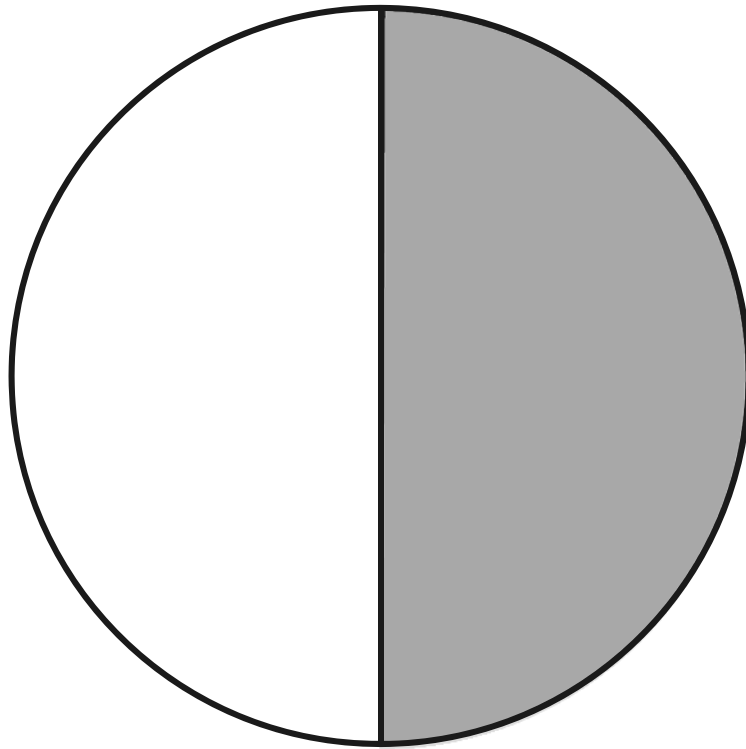
**Cut Out Packet**





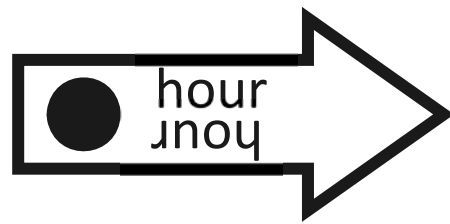
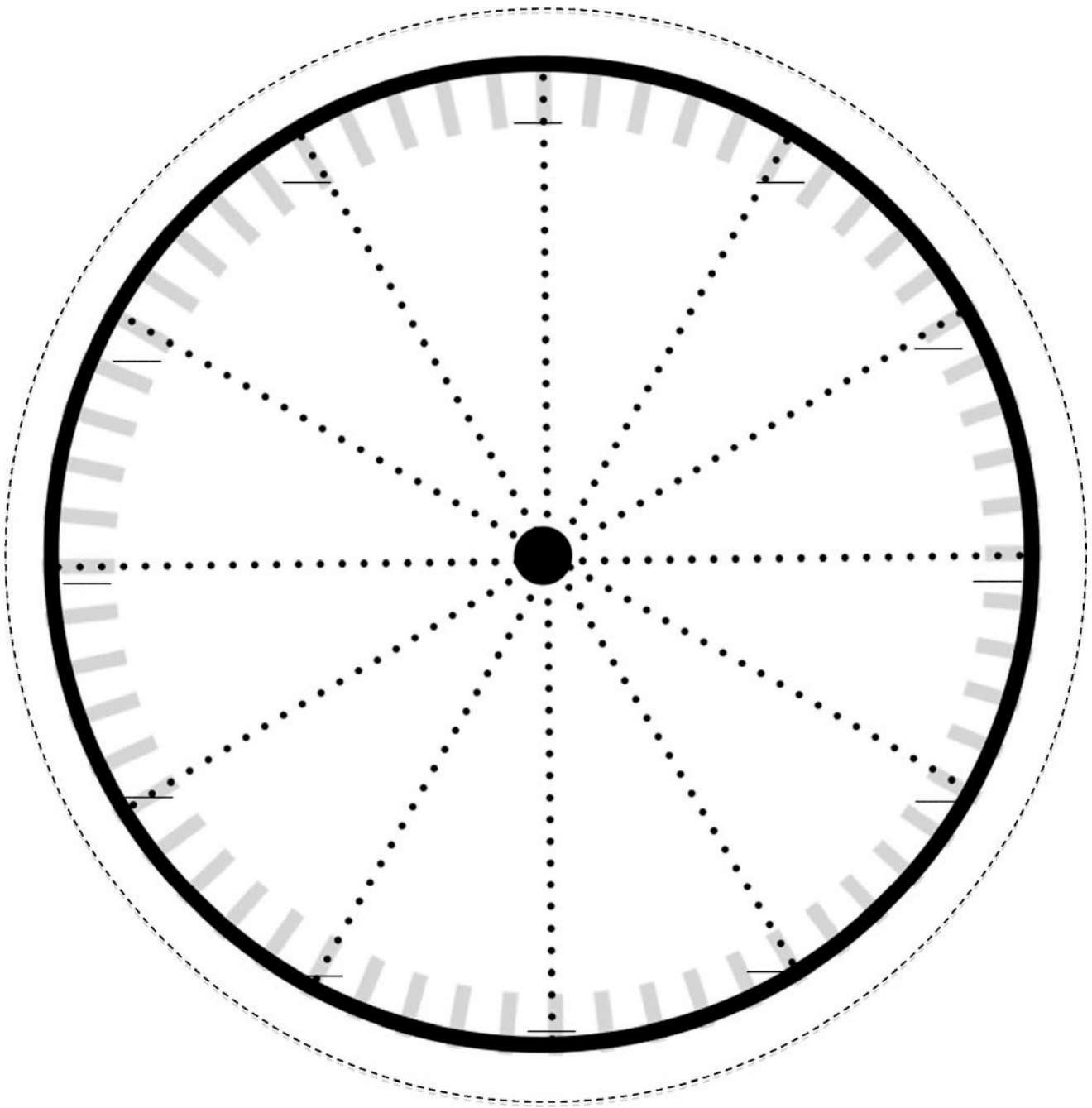
---

circle



---

shaded half circle



\_\_\_\_\_

clock

Write the time. Circle a.m. or p.m.

\_\_\_\_\_ a.m./p.m.

\_\_\_\_\_ a.m./p.m.

\_\_\_\_\_ a.m./p.m.

\_\_\_\_\_ a.m./p.m.

telling time story (small)

Write the time. Circle a.m. or p.m.

\_\_\_\_\_ a.m./p.m.

\_\_\_\_\_ a.m./p.m.

\_\_\_\_\_ a.m./p.m.

\_\_\_\_\_ a.m./p.m.

telling time story (small)