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

GROUP A

They all **have 4 sides**.

They all **have 4 square corners**.

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

<table>
<thead>
<tr>
<th>Key</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>3 straight sides: _____</td>
</tr>
<tr>
<td>BLUE</td>
<td>4 straight sides: _____</td>
</tr>
<tr>
<td>GREEN</td>
<td>6 straight sides: _____</td>
</tr>
<tr>
<td>YELLOW</td>
<td>1 curved side: _____</td>
</tr>
</tbody>
</table>

2. 
   a. A triangle has _3_ straight sides and _3_ corners.
   b. I colored _3_ triangles.

3. 
   a. A hexagon has _6_ straight sides and _6_ corners.
   b. I colored _1_ hexagon.

4. 
   a. A circle has _0_ straight sides and _0_ corners.
   b. I colored _2_ circles.

5. 
   a. A rhombus has _4_ straight sides that are equal in length and _4_ corners.
   b. I colored _1_ rhombuses.
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.
      ![Shapes with one marked as not a rectangle]
   b. Explain your thinking: **The shape is not a closed shape.**

7. A **trapezoid** is a closed shape with 4 straight sides with at least 2 of those sides the same distance apart across the length of the side.
   a. Cross off the shape that is NOT a trapezoid.
      ![Shapes with one marked as not a trapezoid]
   b. Explain your thinking: **This shape does not have at least 2 sides the same distance apart across the length of the side.**

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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.

<table>
<thead>
<tr>
<th>Cube</th>
<th>Rectangular prism</th>
<th>Cylinder</th>
<th>Sphere</th>
<th>Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Cube" /></td>
<td><img src="image" alt="Rectangular prism" /></td>
<td><img src="image" alt="Cylinder" /></td>
<td><img src="image" alt="Sphere" /></td>
<td><img src="image" alt="Cone" /></td>
</tr>
</tbody>
</table>

**Answers will vary**

Name ___________________________ Date ____________

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

Date: ____________ 10/8/13

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

<table>
<thead>
<tr>
<th>Word Bank</th>
</tr>
</thead>
<tbody>
<tr>
<td>faces</td>
</tr>
<tr>
<td>circle</td>
</tr>
<tr>
<td>square</td>
</tr>
<tr>
<td>roll</td>
</tr>
<tr>
<td>six</td>
</tr>
<tr>
<td>sides</td>
</tr>
<tr>
<td>rectangle</td>
</tr>
<tr>
<td>point</td>
</tr>
<tr>
<td>flat</td>
</tr>
</tbody>
</table>

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 __________________________.
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.

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.
3. How many squares do you see in this large square?

I can find 260 squares in this large square.

Answers may vary
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. triangle square rhombus

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.
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.

Butterfly - answers will vary
1. Use some three-dimensional shapes to make another structure. The chart below gives you some ideas of objects you could find at home. You can use objects from the chart or other objects you may have at home.

<table>
<thead>
<tr>
<th>Cube</th>
<th>Rectangular prism</th>
<th>Cylinder</th>
<th>Sphere</th>
<th>Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block</td>
<td>Food box:</td>
<td>Food can:</td>
<td>Tennis ball</td>
<td>Ice cream cone</td>
</tr>
<tr>
<td></td>
<td>Cereal, macaroni and cheese, spaghetti, cake mix, juice box</td>
<td>Soup, vegetables, tuna fish, peanut butter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dice</td>
<td>Tissue box</td>
<td>Toilet paper or paper towel roll</td>
<td>Rubber band ball</td>
<td>Party hat</td>
</tr>
<tr>
<td>Hardcover book</td>
<td>Glue stick</td>
<td>Basketball</td>
<td>Funnel</td>
<td></td>
</tr>
<tr>
<td>DVD or video game box</td>
<td></td>
<td>Soccer ball</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ask someone at home to take a picture of your structure. If you are unable to take a picture, try to sketch your structure or write the directions on how to build your structure on the back of the paper.

*answers will vary*
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.  
      Y   2
      ____  ____

   c.  
      N   __

   d.  
      N   __

   e.  
      Y   2
      ____  ____

   f.  
      Y   4
      ____  ____

   g.  
      Y   2
      ____  ____

   h.  
      N   ____

   i.  
      N   ____

   j.  
      Y   2
      ____  ____

   k.  
      N   ____

   l.  
      Y   4
      ____  ____

   m.  
      Y   6
      ____  ____

   n.  
      Y   2
      ____  ____

   o.  
      N   ____
2. Draw 1 line to make 2 equal parts. What smaller shapes did you make?

I made 2 triangles.

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

I made 4 rectangles.

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

I made 6 triangles.
1. Circle the correct word(s) to tell how each shape is divided.

<table>
<thead>
<tr>
<th></th>
<th>a.</th>
<th>b.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td>equal parts</td>
<td>unequal parts</td>
</tr>
<tr>
<td><img src="image2" alt="Diagram" /></td>
<td>equal parts</td>
<td>unequal parts</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>c.</th>
<th>d.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3" alt="Diagram" /></td>
<td>halves</td>
<td>fourths</td>
</tr>
<tr>
<td><img src="image4" alt="Diagram" /></td>
<td>halves</td>
<td>quarters</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>e.</th>
<th>f.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5" alt="Diagram" /></td>
<td>halves</td>
<td>quarters</td>
</tr>
<tr>
<td><img src="image6" alt="Diagram" /></td>
<td>fourths</td>
<td>halves</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>g.</th>
<th>h.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image7" alt="Diagram" /></td>
<td>quarters</td>
<td>halves</td>
</tr>
<tr>
<td><img src="image8" alt="Diagram" /></td>
<td>halves</td>
<td>fourths</td>
</tr>
</tbody>
</table>
2. What part of the shape is shaded? Circle the correct answer.

<table>
<thead>
<tr>
<th>1 half</th>
<th>1 quarter</th>
<th>1 half</th>
<th>1 quarter</th>
</tr>
</thead>
</table>

3. Color 1 quarter of each shape.

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

Which shape has been cut into more equal parts? A

Which shape has larger equal parts? B

Which shape has smaller equal parts? A

2. Write whether the shaded part of each shape is a half, a quarter, or a fourth.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a half</td>
<td>a half</td>
<td>a quarter</td>
<td>a half</td>
</tr>
<tr>
<td>a fourth</td>
<td>a quarter</td>
<td>a half</td>
<td>a half</td>
</tr>
</tbody>
</table>
3. Color part of the shape to match its label. Circle the phrase that would make the statement true.

One quarter of the square is bigger than is smaller than is the same size as

one half of the square.

One quarter of the rectangle is bigger than is smaller than is the same size as

one fourth of the rectangle.
1. Match each clock to the time it shows.

   a. 
      ![Clock showing 11:00]
      11:00
      4 o'clock

   b. 
      ![Clock showing 10:00]
      10:00
      7 o'clock

   c. 
      ![Clock showing 2:00]
      2:00
      11 o'clock

   d. 
      ![Clock showing 3:00]
      3:00
      10 o'clock

   e. 
      ![Clock showing 4:00]
      4:00
      3 o'clock

   f. 
      ![Clock showing 7:00]
      7:00
      2 o'clock
2. Put the hour hand on the clock so that the clock matches the time. Then write the
time on the line.

a. [Clock image with hour hand on 9]  6 o'clock  6:00

b. [Clock image with hour hand on 11]  9 o'clock  9:00

c. [Clock image with hour hand on 12]  12 o'clock  12:00

d. [Clock image with hour hand on 7]  7 o'clock  7:00

e. [Clock image with hour hand on 1]  1 o'clock  1:00

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Circle the correct clock.

1. Half past 2 o'clock.
   - [Diagram]

2. Half past 10 o'clock.
   - [Diagram]

3. 6 o'clock.
   - [Diagram]

4. Half past 8 o'clock.
   - [Diagram]
Write the time shown on each clock to tell about Lee's day.

5. 

![Clock showing 6:30]

Lee wakes up at \(6:30\)\.

6. 

![Clock showing 7:30]

He takes the bus to school at \(7:30\).

7. 

![Clock showing 10:30]

He has math at \(10:30\).

8. 

![Clock showing 12:30]

He eats lunch at \(12:30\).

9. 

![Clock showing 3:30]

He has basketball practice at \(3:30\).

10. 

![Clock showing 4:30]

He does his homework at \(4:30\).

11. 

![Clock showing 5:30]

He eats dinner at \(5:30\).

12. 

![Clock showing 7:30]

He goes to bed at \(7:30\).
Write the time shown on the clock or draw the missing hands on the clock.

<table>
<thead>
<tr>
<th></th>
<th>10 o'clock</th>
<th></th>
<th>half past 10 o'clock</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1.png" alt="Clock 1" /></td>
<td>2</td>
<td><img src="image2.png" alt="Clock 2" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>8 o'clock</th>
<th></th>
<th>8:30</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td><img src="image3.png" alt="Clock 3" /></td>
<td>4</td>
<td><img src="image4.png" alt="Clock 4" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>3 o'clock</th>
<th></th>
<th>half past 3 o'clock</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td><img src="image5.png" alt="Clock 5" /></td>
<td>6</td>
<td><img src="image6.png" alt="Clock 6" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>2:00</th>
<th></th>
<th>half past 6 o'clock</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td><img src="image7.png" alt="Clock 7" /></td>
<td>8</td>
<td><img src="image8.png" alt="Clock 8" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>half past 9 o'clock</th>
<th></th>
<th>4 o'clock</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td><img src="image9.png" alt="Clock 9" /></td>
<td>10</td>
<td><img src="image10.png" alt="Clock 10" /></td>
</tr>
</tbody>
</table>
11. Match the pictures with the clock.

- Soccer practice
  3:30

- Brush teeth
  7:30

- Wash dishes
  6:00

- Eat dinner
  5:30

- Take bus home
  4:30

- Homework
  half past 6 o'clock
Name ______________________________  Date __________

Fill in the blanks.

1. Clock B shows half past three.
   
   A   
   B

2. Clock B shows half past twelve.
   
   A   
   B

3. Clock A shows eleven o'clock.
   
   A   
   B

4. Clock A shows 8:30.
   
   A   
   B

5. Clock B shows 5:00.
   
   A   
   B
6. Write the time on the line under the clock.

   a. 1:00   b. 11:30   c. 6:00
   d. 7:30   e. 5:30   f. 2:30
   seven thirty
   g. 7:00   h. 11:00   i. 9:30
eleven o'clock

7. Check (□) next to the clock(s) that show 4 o'clock.

   □

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