

Unit 6 Game

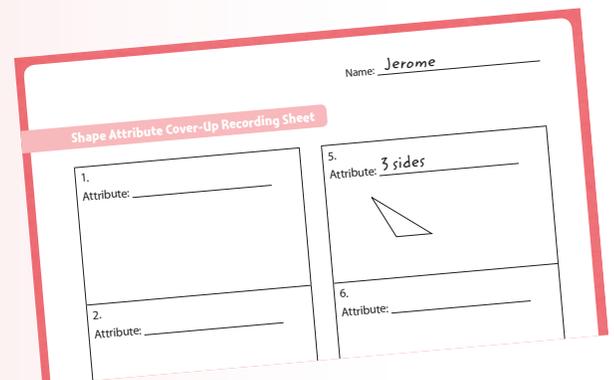
Name: _____

Shape Attribute Cover-Up

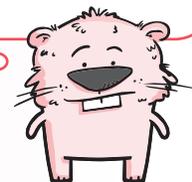
What you need: Recording Sheet, Game Board (1 for each player), Game Cards, 32 counters (16 for each player)

Directions

- Mix the Game Cards. Place them face down in a pile.
- Take turns. Draw a card. Cover all the remaining shapes on your Game Board that have the attribute on the card with a counter. Place the card in the discard pile.
- Write the attribute on the Recording Sheet. Then draw another shape that has that attribute. Make it different than the shapes you covered.
- If you use all the cards, shuffle the discards and continue playing.
- The first player to cover every shape on the Game Board wins.



My card says "3 sides," so I covered both triangles on my Game Board.



Name: _____

Shape Attribute Cover-Up Recording Sheet

1.

Attribute: _____

2.

Attribute: _____

3.

Attribute: _____

4.

Attribute: _____

5.

Attribute: _____

6.

Attribute: _____

7.

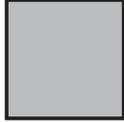
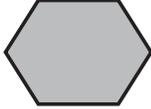
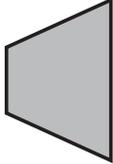
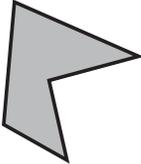
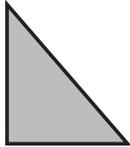
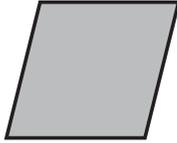
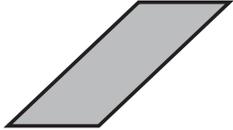
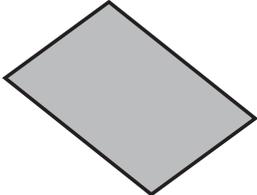
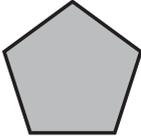
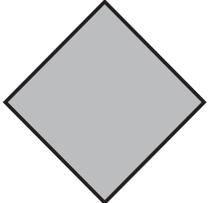
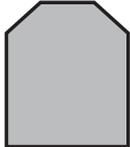
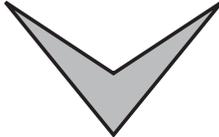
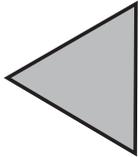
Attribute: _____

8.

Attribute: _____

Shape Attribute Cover-Up

Game Board

 <p>square</p>	 <p>hexagon</p>	 <p>rectangle</p>	 <p>quadrilateral</p>
 <p>pentagon</p>	 <p>triangle</p>	 <p>rhombus</p>	 <p>parallelogram</p>
 <p>parallelogram</p>	 <p>rhombus</p>	 <p>pentagon</p>	 <p>square</p>
 <p>rectangle</p>	 <p>hexagon</p>	 <p>quadrilateral</p>	 <p>triangle</p>

Shape Attribute Cover-Up

Game Cards



2 square corners	1 square corner	4 square corners	0 square corners
3 sides	0 sides the same length	5 sides	6 sides
exactly 2 pairs of parallel sides	exactly 1 pair of parallel sides	0 pairs of parallel sides	exactly 3 pairs of parallel sides
all sides the same length	exactly 3 sides the same length	exactly 4 sides the same length	exactly 5 sides the same length



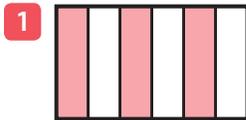
Unit 6 Practice

Name: _____

Geometry

In this unit you learned to:	Lesson
describe shapes, compare them, and put them in groups that tell how they are alike, for example: by the number of sides or if there are square corners.	31, 32
compare quadrilaterals and put them in groups based on their attributes, for example: all four sides are equal in length or there are two pairs of parallel sides.	32
divide rectangles into equal parts and name the parts using fractions.	33

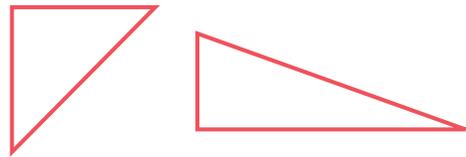
Use these skills to solve problems 1–6.



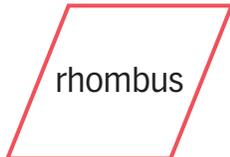
What fraction of the rectangle is each part? _____

What fraction of the rectangle is shaded? _____

2 Name two different groups that both of these shapes belong to.



Solve. Use these shapes to solve problems 3–5.



- 3** I am a quadrilateral with two pairs of parallel sides. All of my sides are not the same length.

Which shape am I? _____

- 4** Name two attributes that both the square and rectangle have. What are two different names that each shape can be called?

- 5** Compare the square and rhombus. How are they alike? How are they different? Can one of their names be used to describe both shapes? Explain.

- 6** Draw lines to divide this rectangle to show eighths. Then shade $\frac{1}{2}$ of the rectangle. How many eighths are shaded?



Unit 6 Performance Task

Name: _____

Answer the questions and show all your work on separate paper.

The third-grade classes in your school are designing a quilt. The quilt will have 9 squares, one for each class. Students want the squares of the quilt to be divided into equal parts. The quilt will be red and yellow, which are the school colors.

Here is your task:

- Draw a diagram to show what the quilt will look like.
- Divide each square into equal parts. Include squares that have 4, 6, and 8 equal parts.
- Color half of each square yellow and half red.
- Describe the design. Use fractions to describe the different squares in your quilt.

Reflect on Mathematical Practices

- 1 Reason Quantitatively** How did you decide how many parts of each square to make red and yellow?
- 2 Use Tools** How can you check that your squares are all divided into equal parts?

Checklist

Did you ...

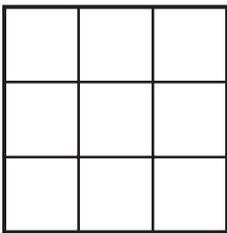
- draw a diagram?
- include at least one square with 4, 6, and 8 equal parts?
- use fractions to describe your work?

Performance Task Tips

Word Bank Here are some words that you might use in your answer.

square	fraction	equal size
half	fourth	sixth
part	eighth	

Models Here is a model that you might use to find a solution.



Sentence Starters Here are some sentence starters that might help explain your work.

I divided the square into _____

There are _____ equal parts in _____

I colored _____ red and _____ yellow.

Unit 6 Vocabulary

Name: _____

My Examples

attribute

a way to describe a shape, like number of sides, or length of sides

quadrilateral

any flat shape with 4 sides and 4 angles

rectangle

a quadrilateral with 4 square corners, 2 pairs of parallel sides, and 2 pairs of sides that are the same length

rhombus

a quadrilateral with 2 pairs of parallel sides and 4 sides that are the same length



My Examples

parallelogram

a quadrilateral with 2 pairs of parallel sides and 2 pairs of sides that are the same length

pentagon

a shape with 5 sides and 5 angles

Venn diagram

a drawing that shows how objects in groups are alike or different

parallel

always the same distance apart