

20 Days of Lesson
Plans and Activities

1st+
grade



THE MAGIC OF MATH
Unit 4: geometry
& fractions

by Hope King and Amy Lemons

Unit Four

OVERVIEW

	FOCUS	STANDARD
WEEK 1	2D Shapes: Classify, Sort, Attributes	TEKS: 1.6ABCD CC: 1.GA.1
WEEK 2	2D Shapes: Composing	TEKS: 1.6CDF CC: 1.GA.2
WEEK 3	3D Shapes: Classify, Sort, Attributes	TEKS: BE CC: 1.GA.2
WEEK 4	Fractions: Equal and Unequal Parts, Halves, Fourths	TEKS: 1.6GH CC: 1.GA.3

WEEK ONE:

2d

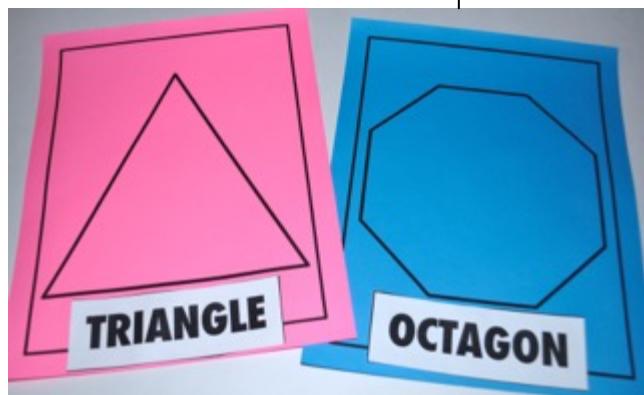
shapes and
attributes

day 1

Minilesson: Toss and Talk- Toss a pom, name the shape and discuss attributes. After, sort the shape cards

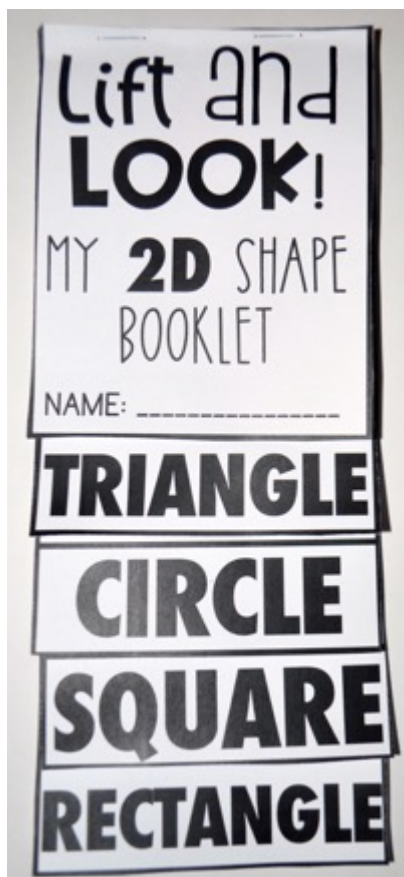


You can make shape posters for your classroom when complete!

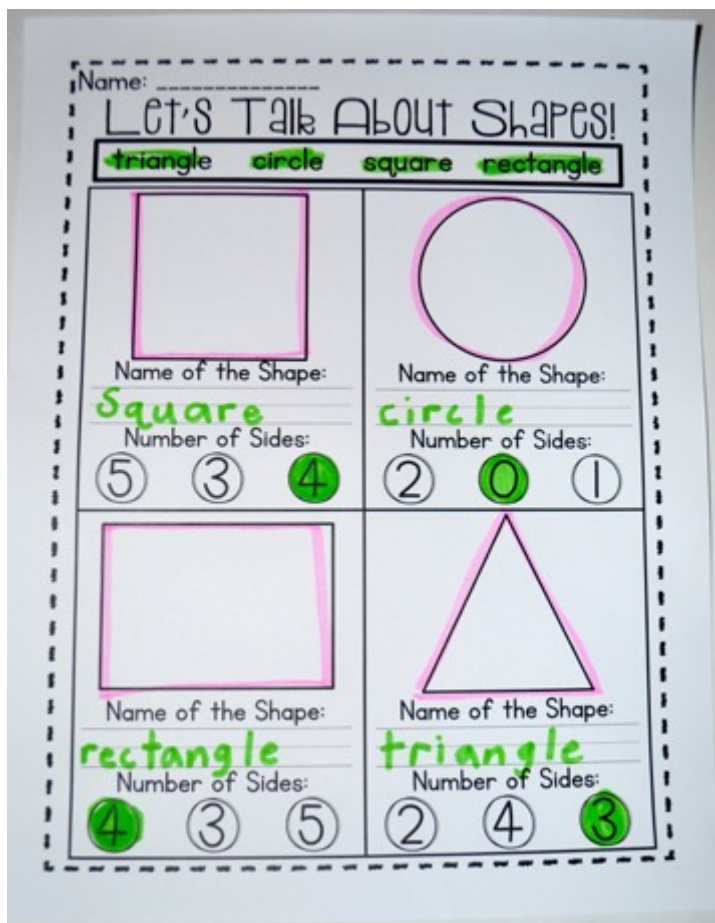


day 1

Activity: Lift and Look Layered Flapbook - Students match the shape, draw the shape, and write the number of sides and vertices

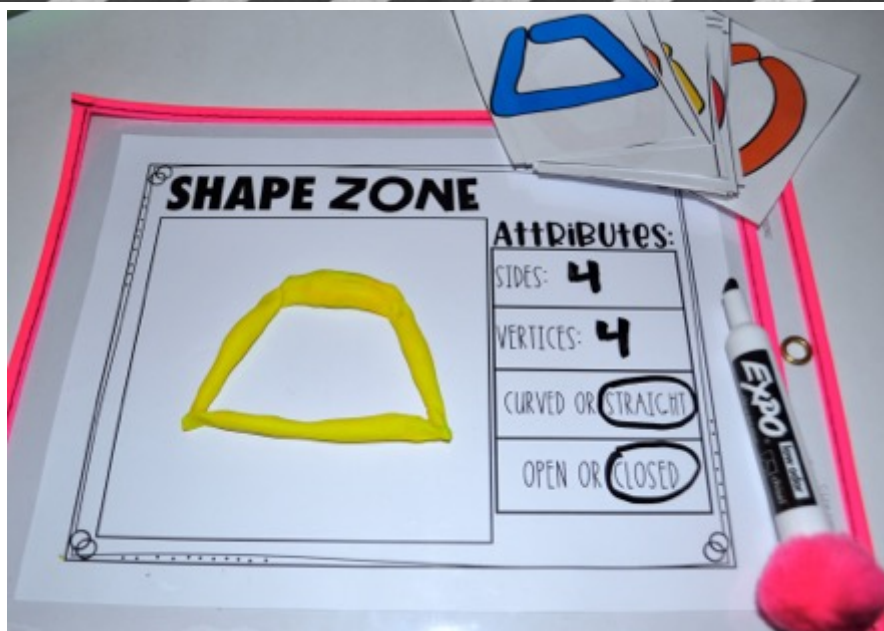


Independent Practice:
Let's Talk About Shapes -
Students name the shapes
and count the sides



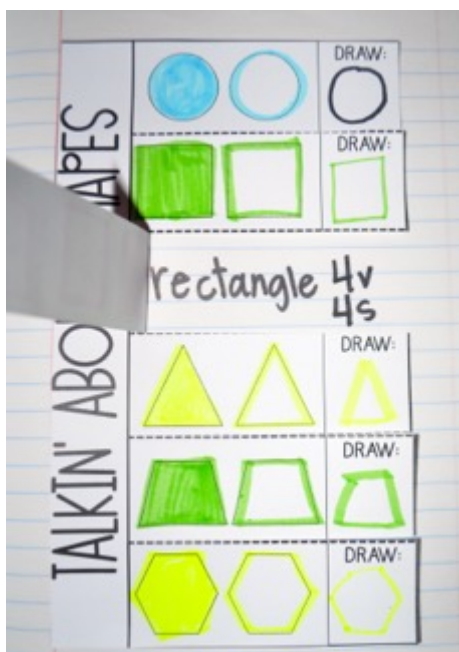
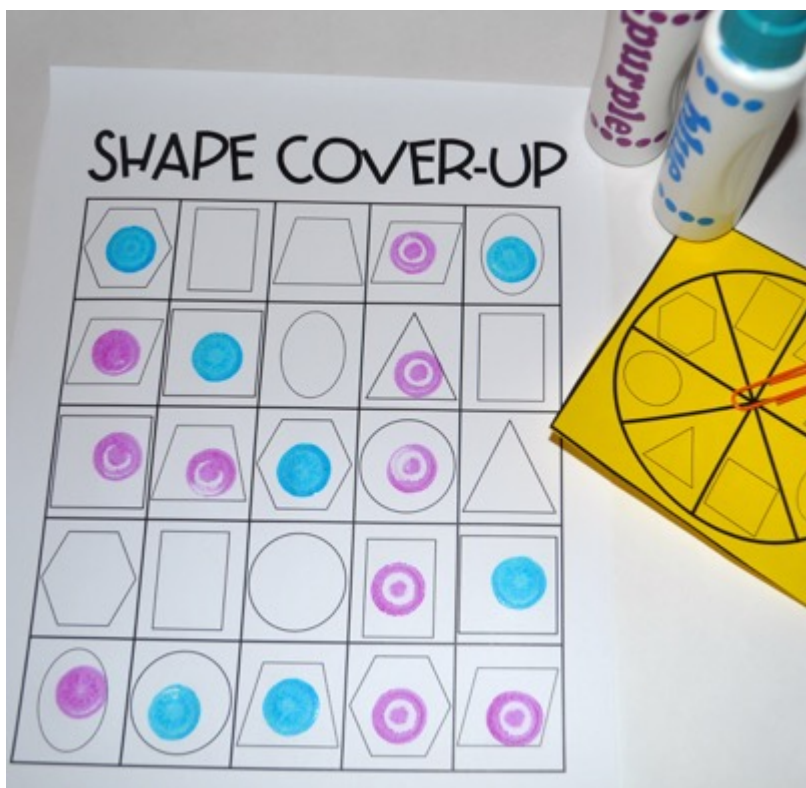
day 2

Minilesson: Shape Zone- Students create shapes and discuss attributes



Activity: Shape Cover Up Partner Game- Students spin, cover a shape, and try to get five in a row

Independent Practice:



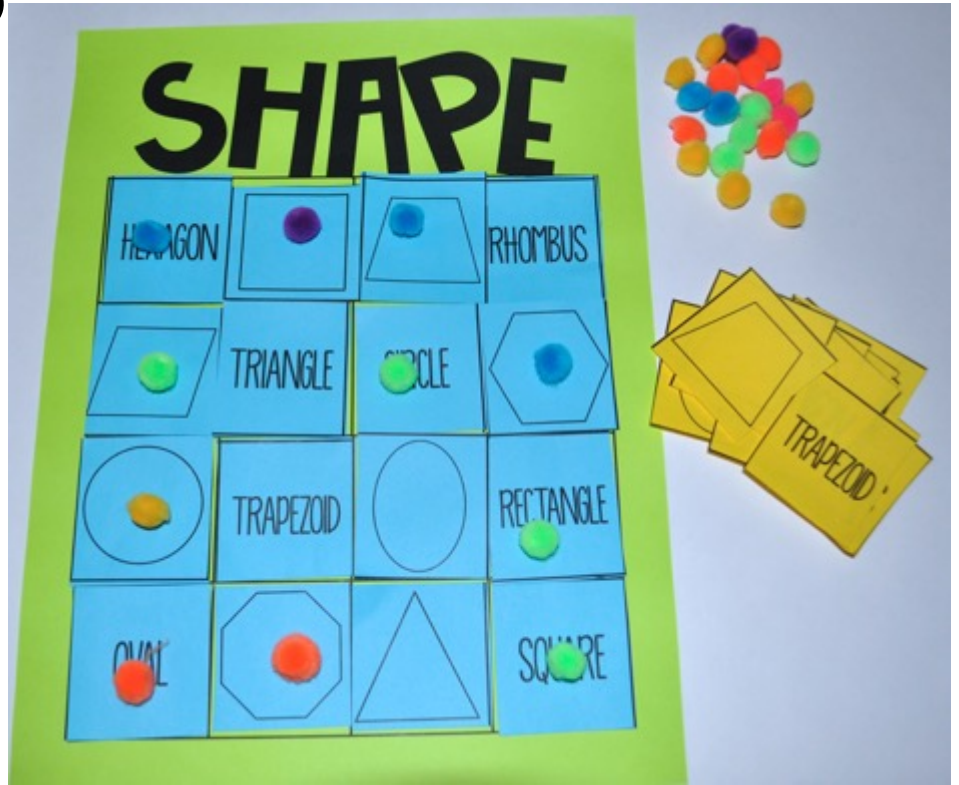
day 3

Minilesson:
The Very Hungry Panda- Read Shape
Riddles and Identify
the Shape to feed
the Panda

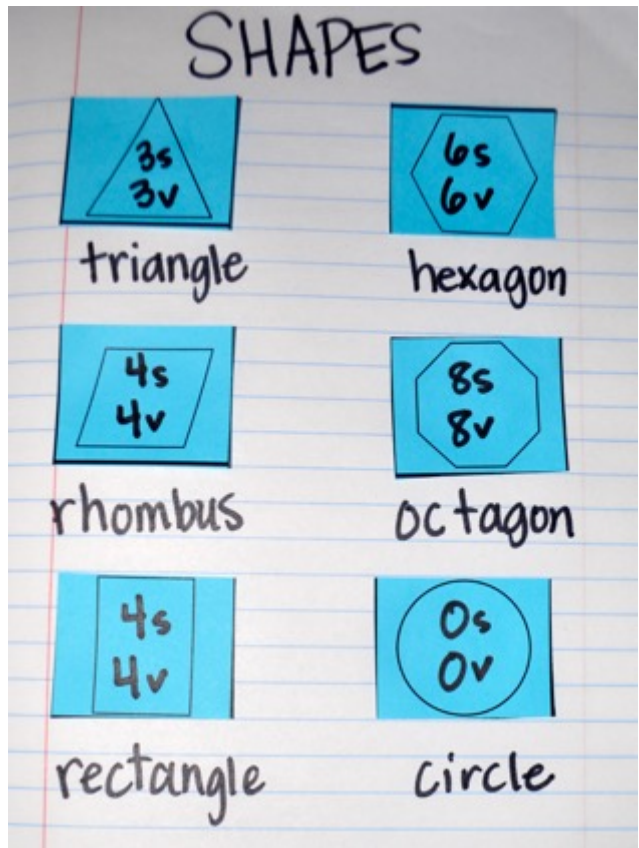


day 3

Activity: Shape BINGO- Students arrange their boards and try to get four in a row during the BINGO game



Independent Practice:
Shape Interactive Notebooks:
Students glue in the shapes,
write the name and write the
attributes of the shape



day 4

Minilesson: Sorting Shapes

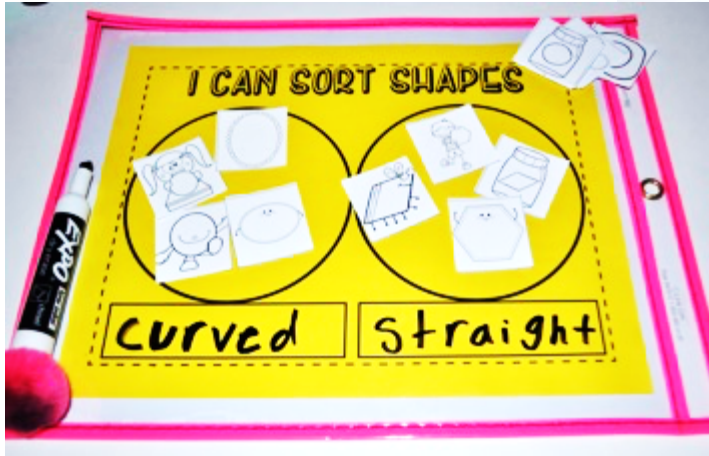
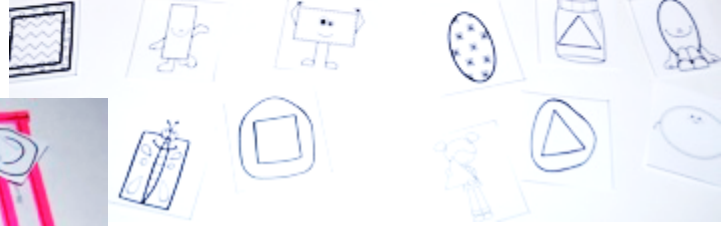
SORTING SHAPES

CATEGORY 1:

4-sided

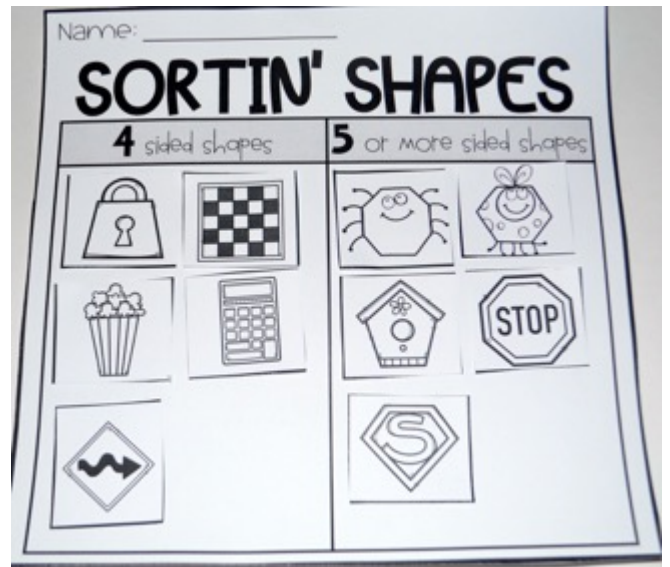
CATEGORY 2:

3 sides or less



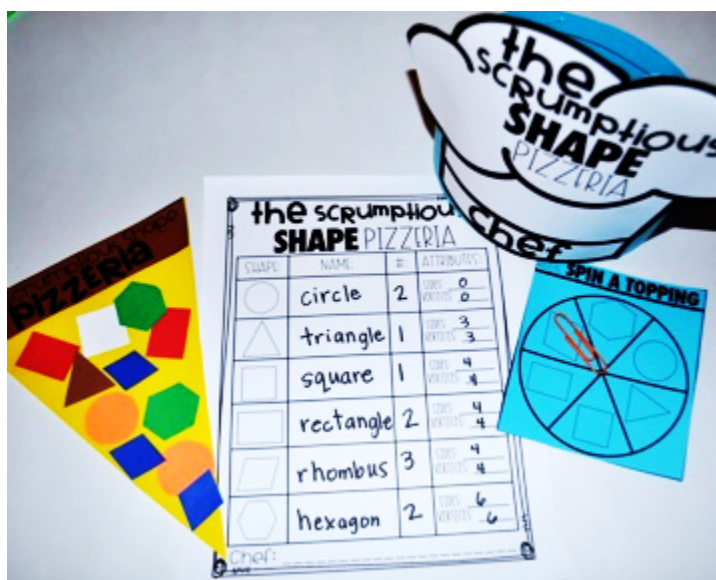
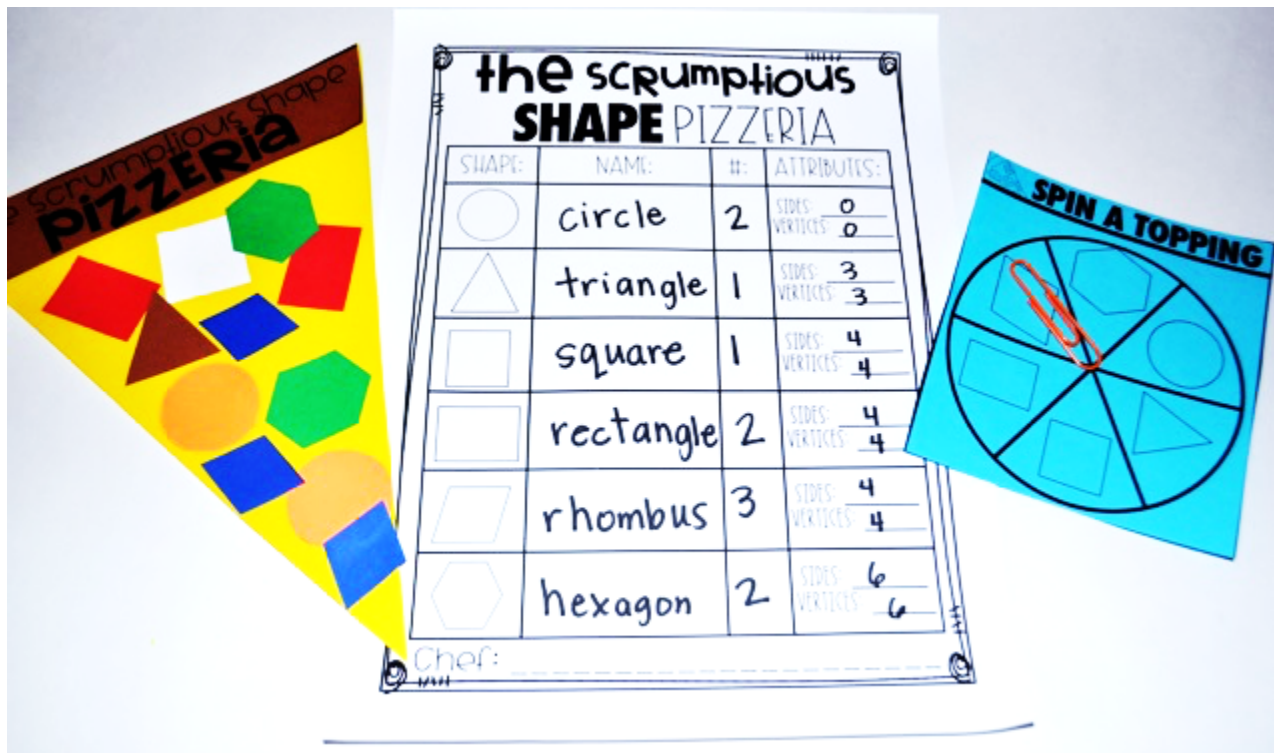
Activity: Shapes All Around Me!

Independent Practice: Sorting Shapes Printable



day 5

The Scrumptious Shape Pizzeria



day 5

Assessment



Name: _____

2D SHAPES

Word Bank

triangle	rectangle	hexagon	rhombus
square	circle	octagon	trapezoid

Write the name of each shape shown. Write the number of sides in each shape.

 circle circle	 triangle triangle	 rhombus rhombus	 square square
 rectangle	 trapezoid	 hexagon	 octagon

MATCH THE SHAPE TO THE CORRECT ATTRIBUTES:



6 sides
6 vertices

3 sides
3 vertices

8 sides
8 vertices

4 sides
4 vertices

WEEK TWO:
Composing
2d

shapes

day 1

Minilesson: Composing Shape Task Cards and Work Mat



Activity: Composing
Shapes- Gluing Shapes to
Make New Shapes

Interactive Notebooks: Fill
Up The Triangle

COMPOSING SHAPES

Name: _____

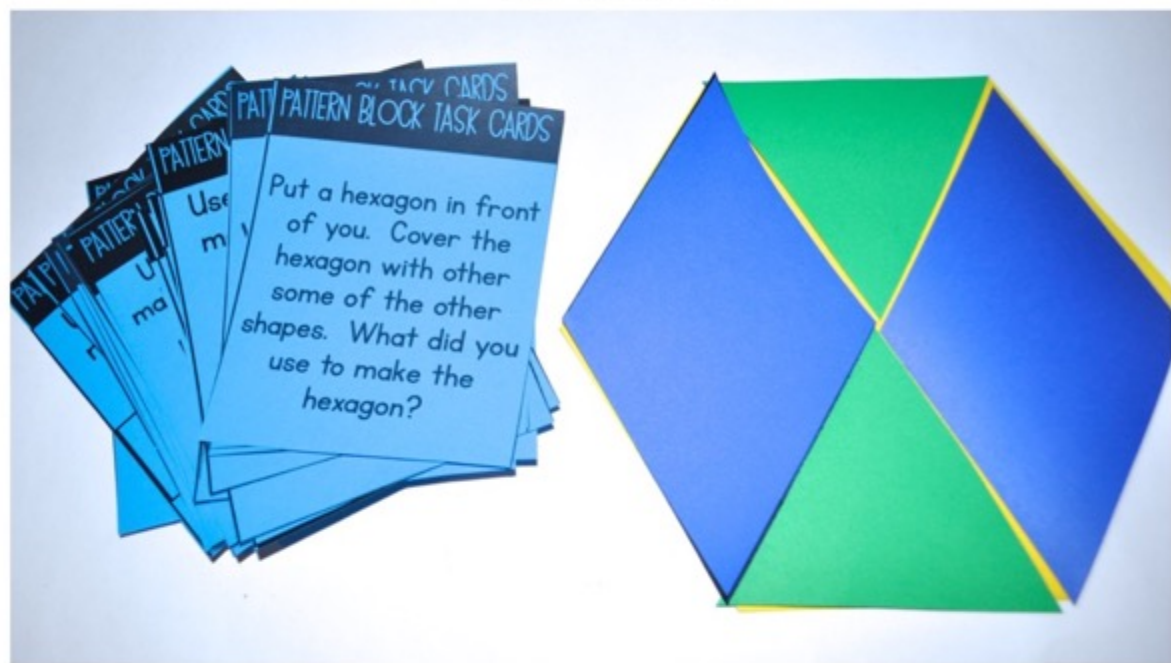
Use 3 rhombuses to make a hexagon:	How many triangles make a rhombus?
What shape can you use two times to create this shape?	Use two shapes to make this shape:

Fill Up The Triangle!

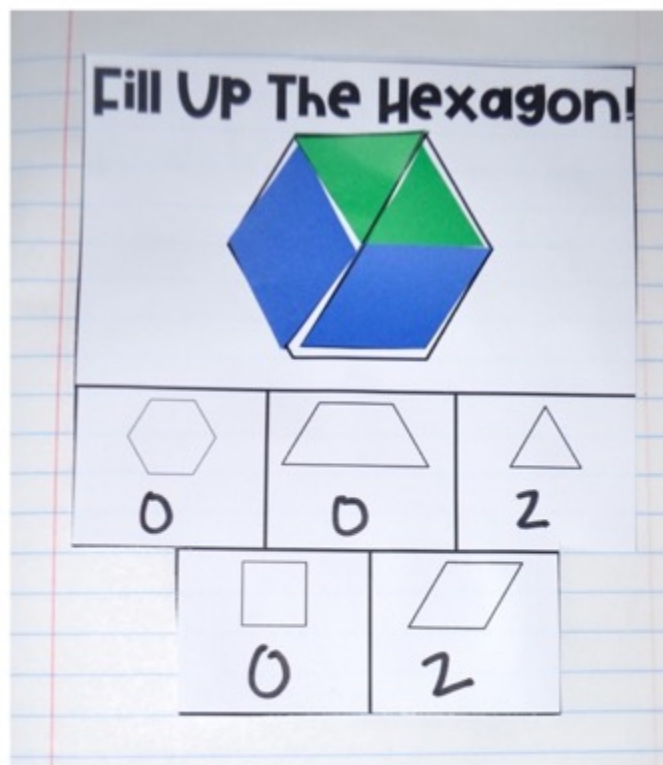
1	0	3
0	0	

day 2

Minilesson: Continue using composing shape task cards and work mats

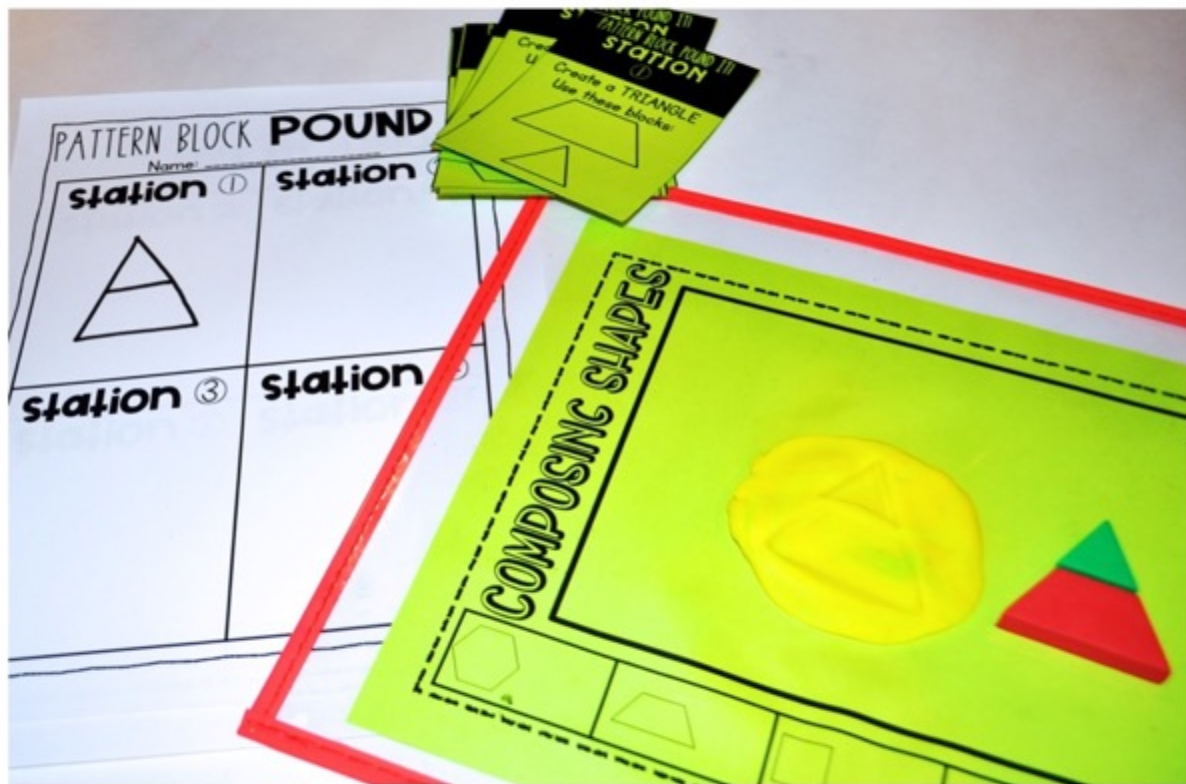


Independent Practice: Fill Up the Hexagon



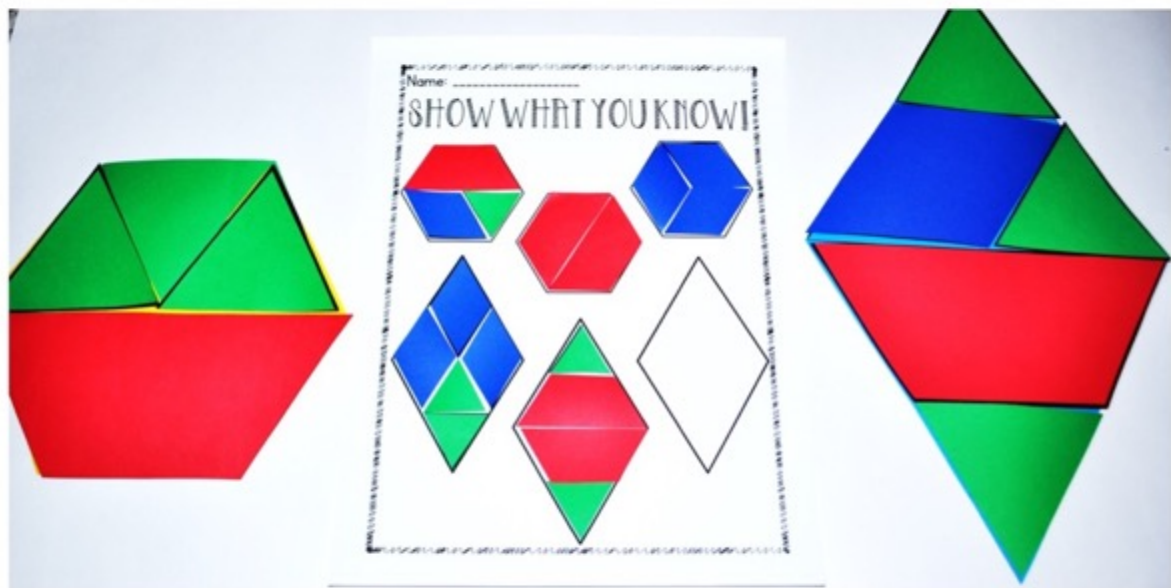
day 2

Activity: Pattern Block Pound It!

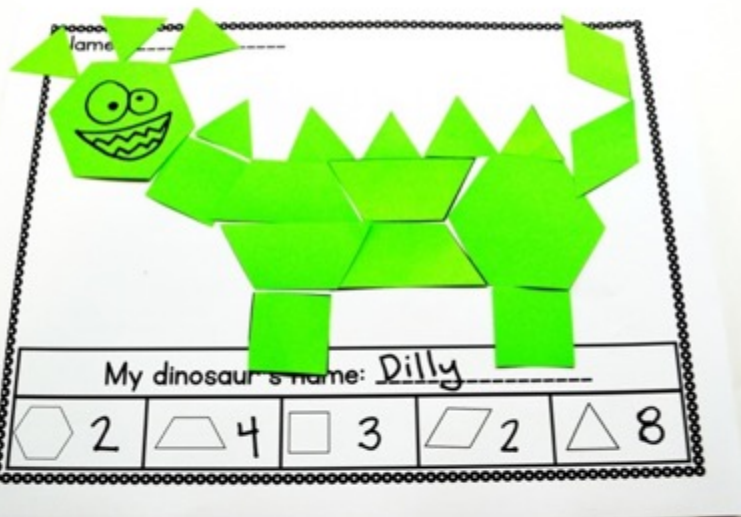


day 3

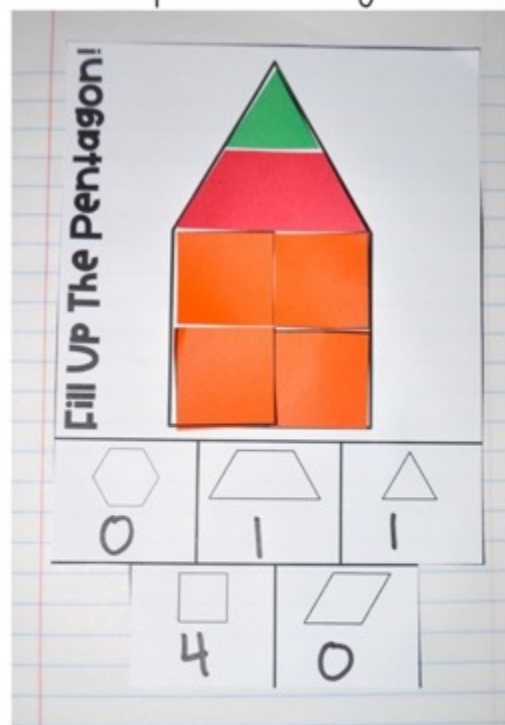
Minilesson: Show What You Know



Activity: Create a dinosaur from pattern blocks

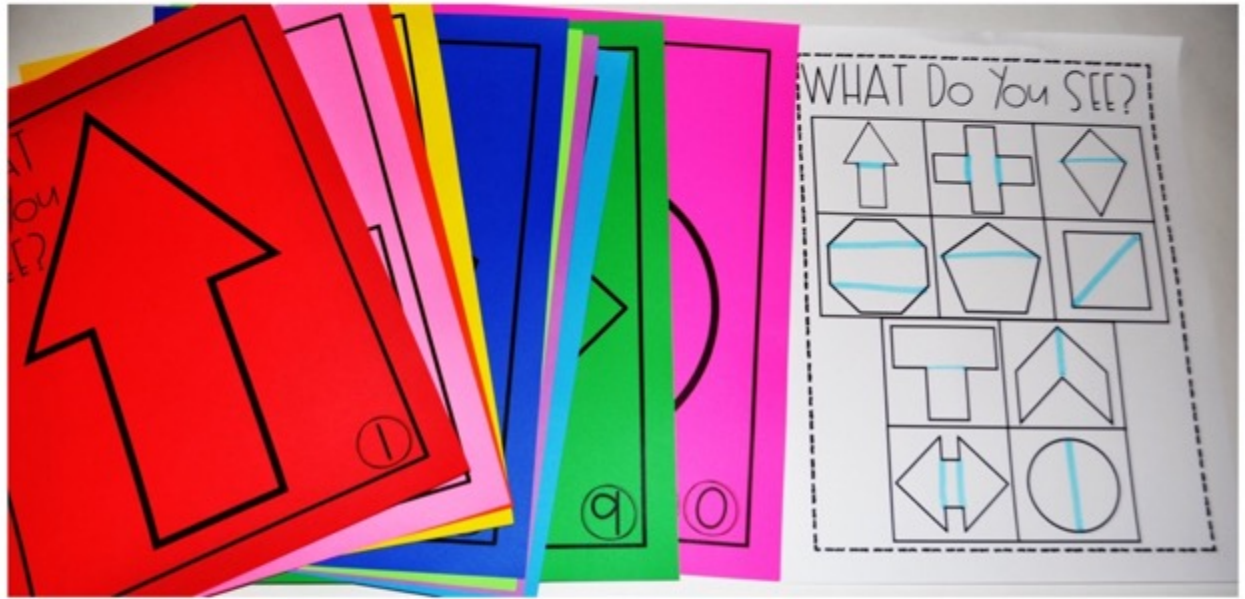


Independent Practice:
Fill Up the Pentagon

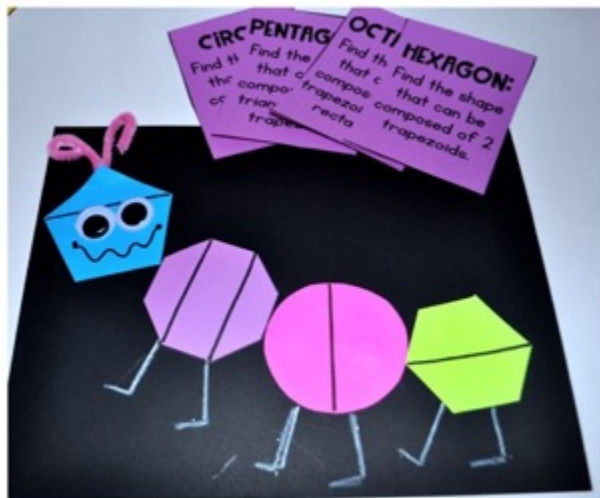
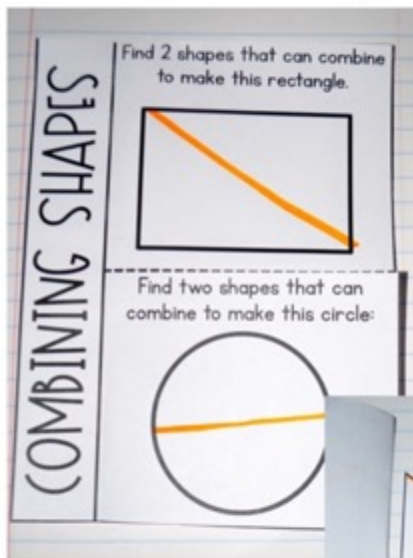
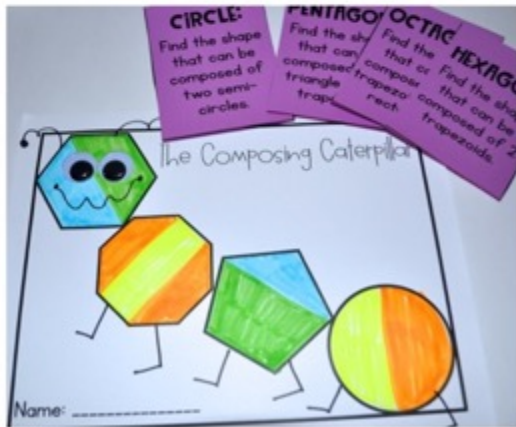


day 4

Minilesson: What Do You See?

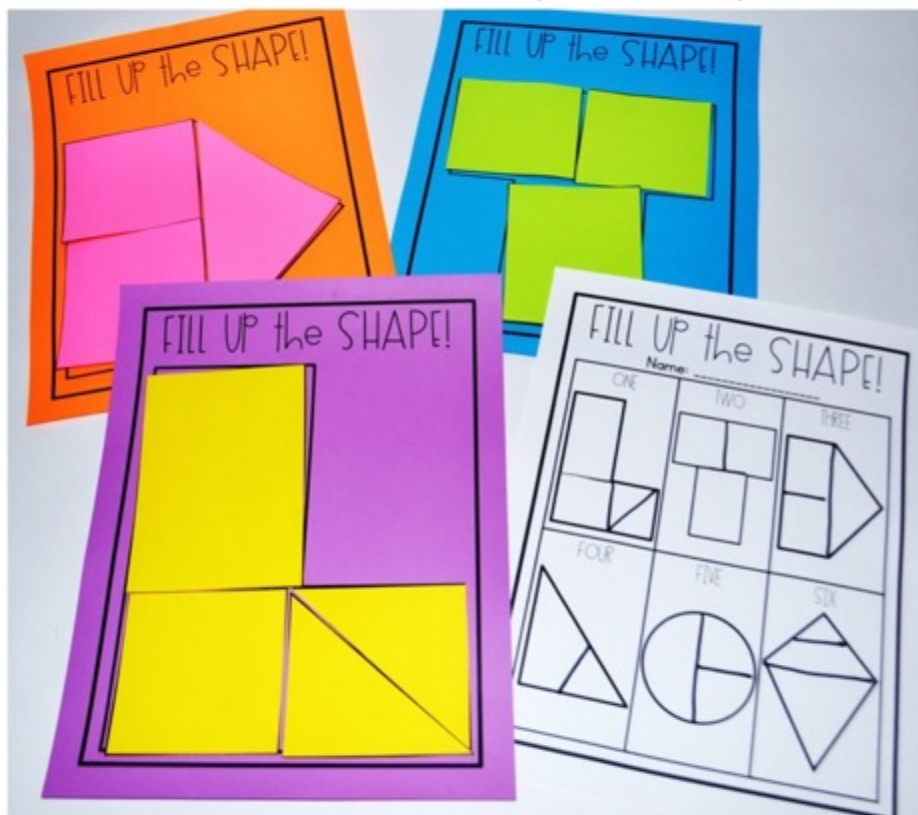


Activity: The Composing Caterpillar Independent Practice: Combining Shapes



day 5

Review: Fill Up the Shape Stations

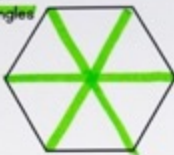


Assessment:


Name: _____

COMPOSING SHAPES

1. Show how you can use **6 triangles** to compose the hexagon.




2. Draw a way to compose the trapezoid by **only using triangles**.

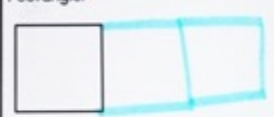


3. How many triangles do you need to make a rhombus?

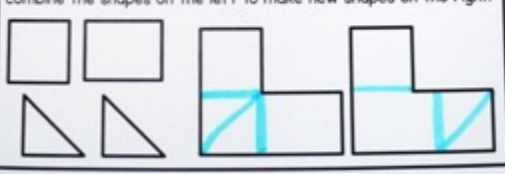
2



4. Draw two more squares onto this square to create a rectangle.



5. Draw lines to show two different ways to combine the shapes on the left to make new shapes on the right.



WEEK THREE:

3d

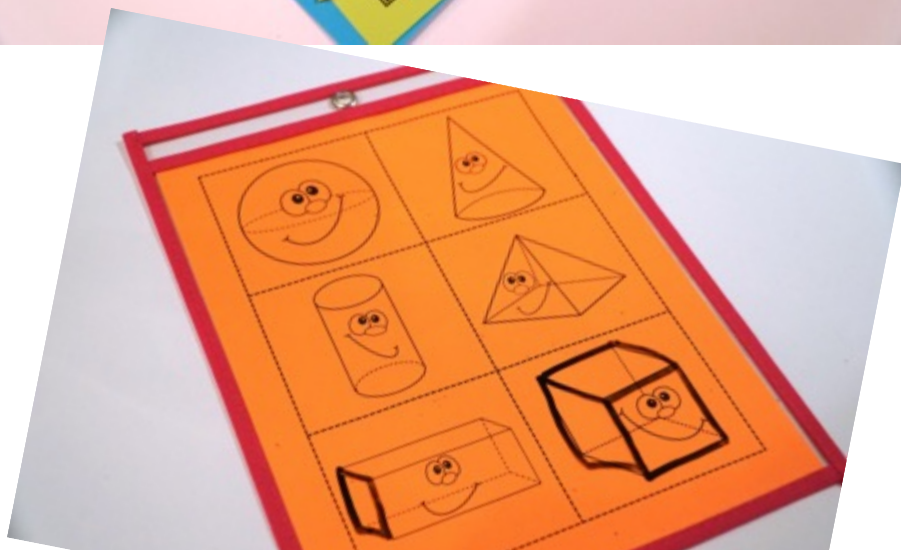
shapes and
attributes

day 1

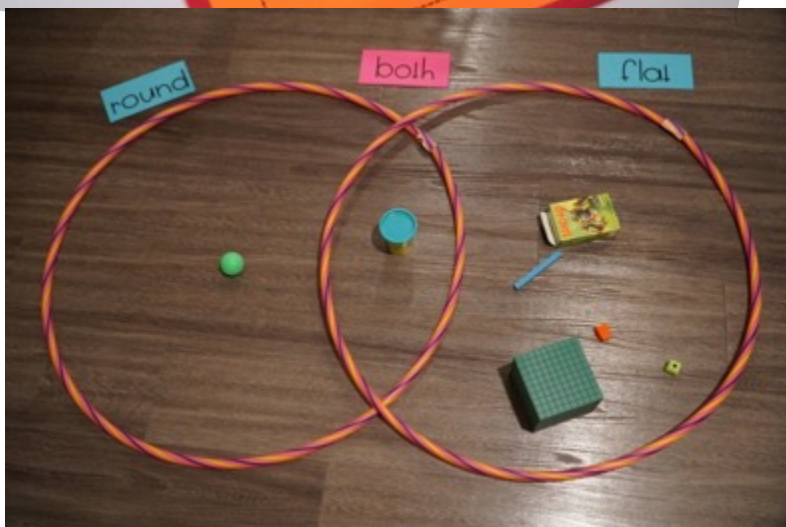
Exploration: Solid Shapes



Minilesson:
Learning the
names of solid
shapes.



Activity: Sorting
solid shapes by flat
or round faces.



day 2

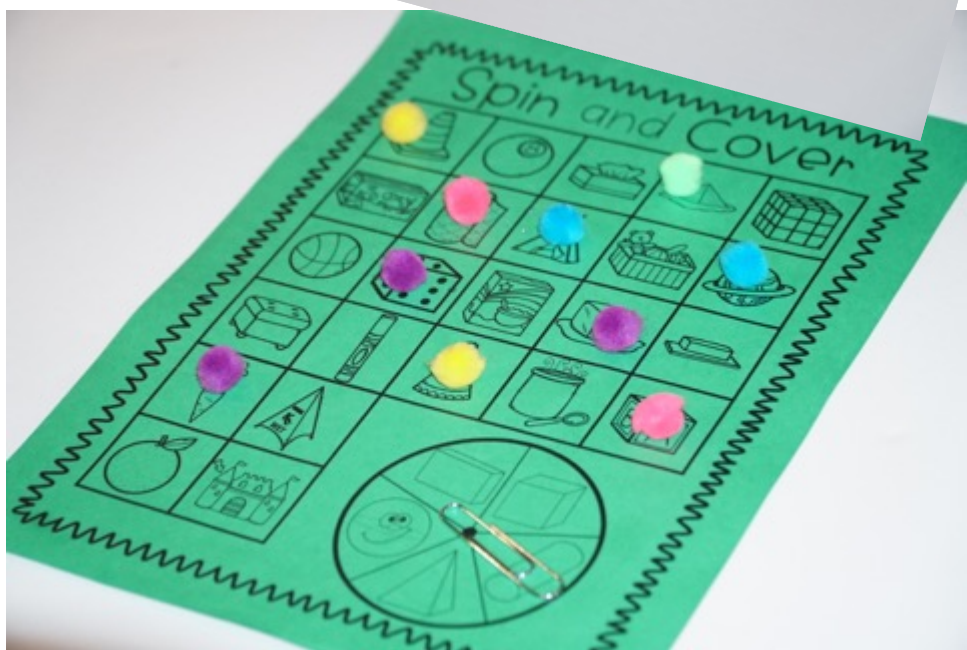
Minilesson: I Have.
Who Has?



Activity: 3-D
Shape
Treasure Hunt



Independent
Practice:
Spin and
Cover



day 3

Minilesson:
Shapes Sort



Activity:
3-D Shape
Pirate
Food
Buffet



Independent
Practice: I can
color shapes!
Booklet



day 4

Minilesson:
Faces, Edges,
Vertices



Activity: 3-D
Shape
Construction



Independent
Practice: Shape
Riddles and
Sorting



day 5

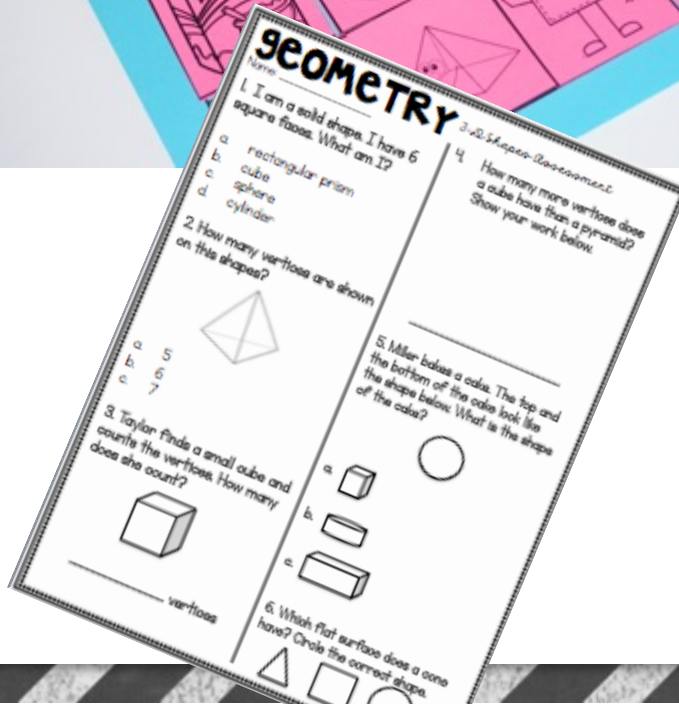
Minilesson:
Shape
Headbandz



Activity:
Shape
Bingo



Assessment:



WEEK FOUR:

week

of

fractions

day 1

Minilesson:
Shape
Towers



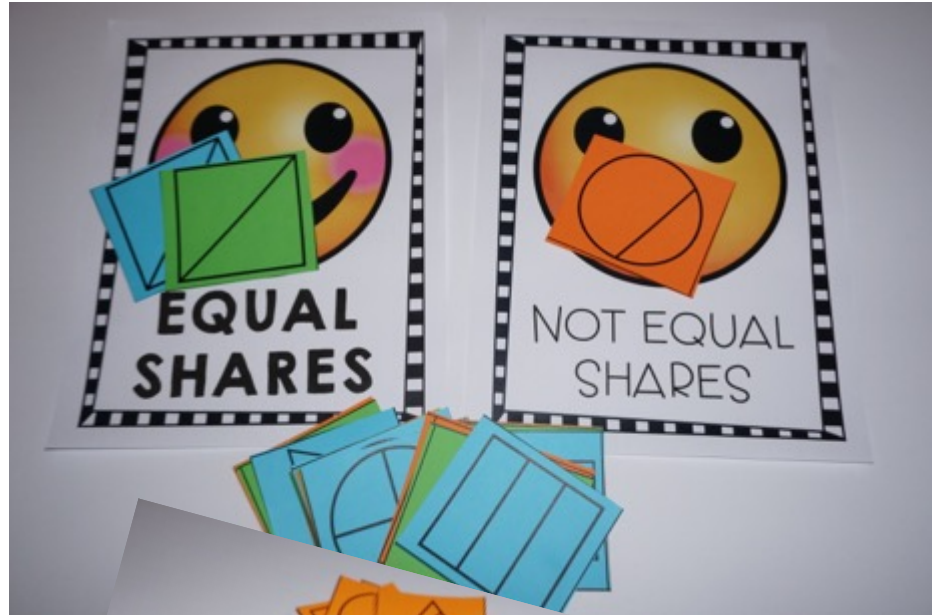
Activity:
Shape
Composition
Scoot!

Independent
Practice:
Composition
Artist



day 2

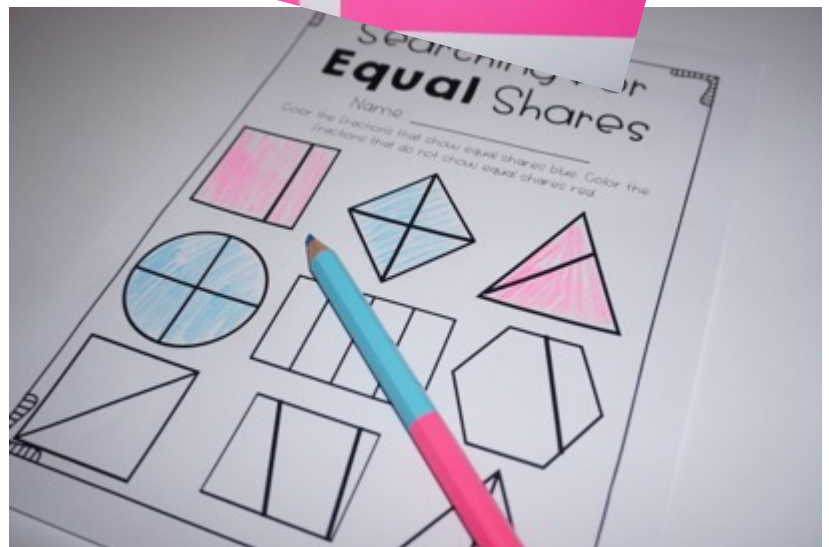
Minilesson:
Emoji Equal
Shares



Activity:
Swat and
Sort



Independent
Practice:
Searching for
Equal Parts



day 3

Minilesson:
Identifying
halves



Activity:
Identifying
and
partitioning
halves

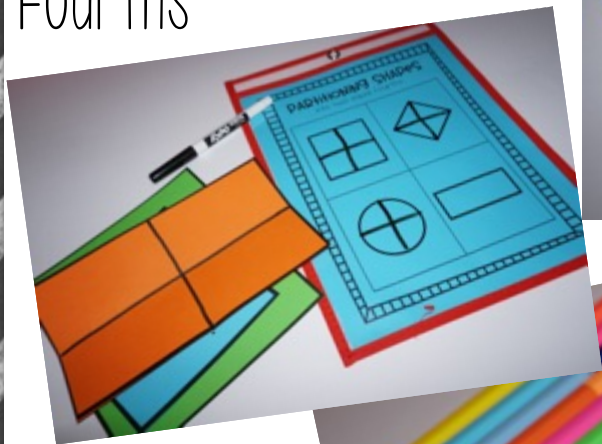


Independent
Practice: Cooking
Up Halves Sort



day 4

Minilesson: Sorting
Fourths



Activity: A
Pallet of
Fourths



Independent
Practice: Finding
Fourths

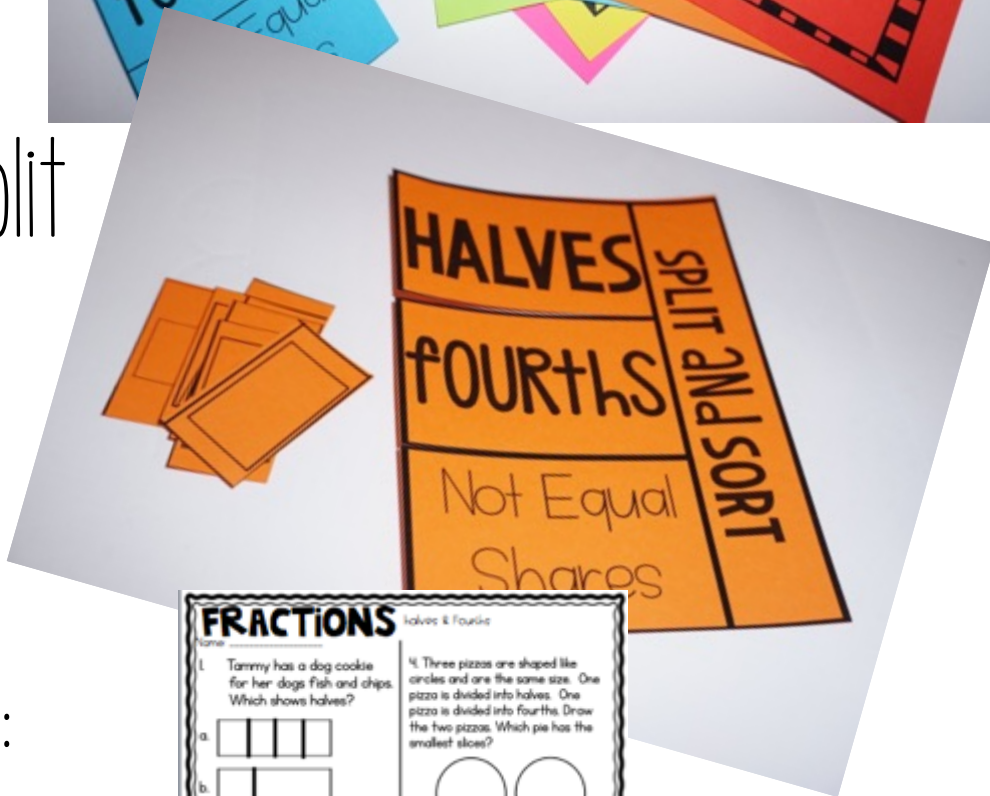


day 5

Minilesson:
Halves,
Fourths, Not
equal shares
Musical Charis



Activity: Split
and Sort





Assessment:


FRACTIONS halves & fourths

Name _____


1. Tammy has a dog cookie for her dogs fish and chips. Which shows halves?

a. 

b. 

c. 


2. Partition the square to show fourths.



3. Complete the sentence:
The more parts, the _____ the shares.


a. smaller
b. larger
c. number


4. Three pizzas are shaped like circles and are the same size. One pizza is divided into halves. One pizza is divided into fourths. Draw the two pizzas. Which pie has the smallest slices?




a. halves
b. fourths

5. Describe the parts. Write equal parts or unequal parts.

a.  _____

b.  _____

c.  _____

DAILY LESSON PLANS

2d SHAPES: day

FOCUS	OBJECTIVE	
What Are 2D Shapes?	I can recognize 2D shapes and their attributes.	bean b
VOCABULARY WORDS		WO
2D SHAPES, VERTEX, SIDE		Draw a tria

MINILESSON	ACTIVITY	INDEP
<p>Today we will begin introducing 2D shapes to the class. There are 10 2D Shapes that you can introduce. You can choose to use all of them, or only the shapes that apply to your standards/curriculum. Discuss the names of the shapes and their attributes.</p> <p>Toss and Talk Lay the shape pictures on the ground like a Hopsotch or</p>	<p>Lift and Look Students will create a shape flipbook. First, students should cut out the five flipbook pages, just cut around each</p>	<p>Le Sha for d it f</p>

2d SHAPES: day two

FOCUS	OBJECTIVE	MATERIALS
Shape Attributes	I can recognize 2D shapes and their attributes.	sheet protectors playdough or yarn
VOCABULARY WORDS		WORD PROBLEM
2D SHAPES, VERTEX, SIDE, ATTRIBUTE		Draw a shape that has 3 sides. 2 sides are long. 2 sides are short. What shape did you draw?

MINILESSON	ACTIVITY	INDEPENDENT PRACTICE
<p>Review the shapes from yesterday, introduce any new shapes that you didn't get to yesterday. Discuss the shape names and attributes.</p>	<p>Shape Cover Up Students will play this game with a partner. Each partner needs a different color of marker, game piece, or paint dabber. Something to show when they make a move.</p>	<p>Interactive Notebooks: Talkin' About Shapes Students will first cut around the entire rectangle. Then, students will cut on the dotted lines in between each flap. Students will have made 6 flaps. Students glue underneath the title only. Students will color the first shape, trace the 2nd</p>

2d SHAPES: day four

FOCUS	OBJECTIVE	MATERIALS
Sorting Shapes	I can class 2D Sh	

2d SHAPES:

FOCUS	OBJECTIVE
Shape Attributes	I can recognize and their at

VOCABULARY WORDS
2D SHAPES, VERTEX, SIDE, ATTRIBUTE

MINILESSON	ACT
<p>The Very Hungry Panda To prep, laminate the panda page and cut out the mouth. We will feed the panda shapes, but first we must read the shape riddles to know what to feed the panda. Students read the description, look at the clues within the riddle, and then choose which shape the panda is wanting to eat. When reading the cards, you may choose to leave out the name of the shape and allow students to guess the shape based on the clues. The students can use their own panda to feed as you have students helping you feed the whole-group panda. (Two versions included.)</p>	<p>SH Students need set of bingo will cut out arrange them in a unique on the boards t people have The teacher cards and SHOWING the If the card show the students. The actual SHAP matches) to a shape, sh students. Th name that n showed. They of what the they can match the shapes to their names. You may want to do this once as a class and then play a few times once they get the hang of it!</p>

VOCABULARY WORDS
2D SHAPES, VERTEX, SIDE, ATTRIBUTE

MINILESSON	ACT
<p>How Can I Sort Shapes Show students the different ways we can sort shapes using either shapes you have around your classroom or the shape cards from Monday. We don't always have to sort just based on their shape name or type. We can also sort by curviness/straight, number of sides, size, color. Use the chart pieces and shapes to sort as a class. Discuss sorting rules and how to sort in different ways. Students use their sorting mat in a page protector. Students can use shapes you have in the classroom, or the shape cards provided. They don't need all of the shapes, they can share. Students can also let another student guess how they chose to sort.</p>	<p>Shapes All Option 1: friendly n catalogs to Students v for real-life each shape two differen sheets. Y students d choose: Students w catalogs, items that I shape as it glue it on: sh Option 2: (hunt an classroom students v real-life ex shapes on t sh</p>

2d SHAPES: day five

FOCUS	OBJECTIVE	MATERIALS
Review and Assess	I can classify and sort 2D Shapes. I can recognize 2D Shapes	paperclips

VOCABULARY WORDS	WORD PROBLEM
2D SHAPES, VERTEX, SIDE, ATTRIBUTE	Draw a hexagon, rectangle, and rhombus.

ACTIVITY	ASSESSMENT
<p>The Scrumptious Shape Pizzeria Today students will create their very own shape pizza slice! Their toppings will be shapes. To prep, students can create a chef's hat, but it is not necessary. This can be done in partners or independently. Students need a recording sheet, a spinner, and their slice to build on. There are two versions of spinners/recording sheets for differentiation. Determine how many spins you want your students to complete. This will tell them how many shapes they will collect. So, you can limit them to 8 or 10 spins. Give each group 1-2 pages of each topping. It's not necessary for each student to have a page of toppings because they can share and there will be some left over. Students spin. Students collect that shape topping. Students spin again, collect that shape topping. Students will continue spinning and collecting until they have the number of shapes you have required. After students have collected all of their shapes, they will cut around their toppings and glue their pizza together. Then students will fill out their recording sheet to match the pizza slice they have made.</p>	<p>Students will take an assessment on 2D Shapes.</p>

VOCABULARY CARDS

2D SHAPES



Side

I have 4 sides.



3D

shapes with height, depth, and width

edge



I have 12 edges.

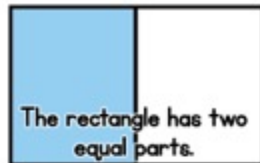
VERTICAL

FACETS DECOMPOSE



Cut the to fo

EQUAL PARTS



The rectangle has two equal parts.

ANSWER

POLY

a plane shape that is closed with straight sides



EQUAL SHARES

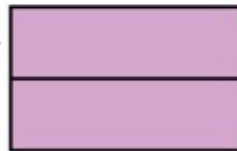
Kally, Jose, and I shared the cookie equally.



QUADRI



WHOLE



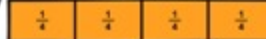
Two halves equal one whole.

ATTRIBUTE

A PENTAGON
STRAIGHT SIDE
VERTICAL

FRACTIONAL PARTS

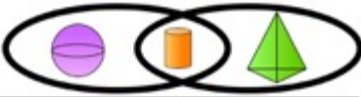

There are four fractional parts. Each part is one-fourth.




i CAN STATEMENTS

I CAN:


CLASSIFY AND SORT 3D SOLIDS



COMPOSE 3D SHAPES

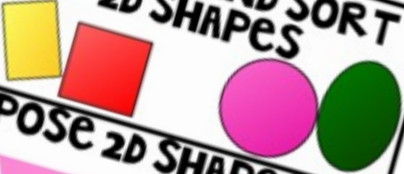



RECOGNIZE SHAPES AND THEIR ATTRIBUTES




This is a hexagon with 6 sides and 6 vertices.


CLASSIFY AND SORT 2D SHAPES




COMPOSE 2D SHAPES



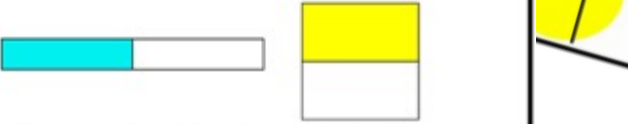
PARTITION OBJECTS INTO EQUAL PARTS




IDENTIFY EXAMPLES AND NON-EXAMPLES OF FRACTIONAL PARTS



UNDERSTAND HALVES

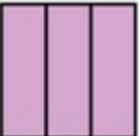


UNDERSTAND FOURTHS



RECOGNIZE HOW MANY PARTS IT TAKES TO EQUAL ONE WHOLE

It takes three parts to make one whole.



DAILY WORD PROBLEMS

WORD PROBLEM- DAY ONE

Draw a triangle, square, and circle.

Draw a triangle, square, and circle.

Draw a triangle, square, and circle.

Draw a triangle, square, and circle.

Draw a triangle, square, and circle.

WORD PROBLEM- DAY TWO

Draw a shape that has 4 sides. 2 sides are long. 2 sides are short. What shape did you draw?

Draw a shape that has 4 sides. 2 sides are long. 2 sides are short. What shape did you draw?

Draw a shape that has 4 sides. 2 sides are long. 2 sides are short. What shape did you draw?

Draw a shape that has 4 sides. 2 sides are long. 2 sides are short. What shape did you draw?

WORD PROBLEM- DAY FOUR

I am a shape with 0 vertices. What shape am I? Draw.

I am a shape with 0 vertices. What shape am I? Draw.

I am a shape with 0 vertices. What shape am I? Draw.

I am a shape with 0 vertices. What shape am I? Draw.

I am a shape with 0 vertices. What shape am I? Draw.

I am a shape with 0 vertices. What shape am I? Draw.

Draw a shape with 4 sides. 2 sides are long. 2 sides are short. What shape did you draw?

WORD PROBLEM- DAY THREE

Draw a four sided shape. All sides are the same length. What shape did you draw?

Draw a four sided shape. All sides are the same length. What shape did you draw?

Draw a four sided shape. All sides are the same length. What shape did you draw?

Draw a four sided shape. All sides are the same length. What shape did you draw?

Draw a four sided shape. All sides are the same length. What shape did you draw?

Draw a four sided shape. All sides are the same length. What shape did you draw?

WORD PROBLEM- DAY FIVE

Draw a hexagon, rectangle, and rhombus.

Draw a hexagon, rectangle, and rhombus.

Draw a hexagon, rectangle, and rhombus.

Draw a hexagon, rectangle, and rhombus.

Draw a hexagon, rectangle, and rhombus.

Draw a hexagon, rectangle, and rhombus.