



Flat Shapes All Around Us

Kindergarten : Unit 3

Standards addressed: K.CC.A., K.CC.B, K.CC.C, K.G.A, K.G.B., K.MD.A., K.MD.B.

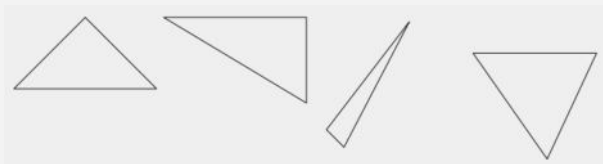
Unit 3 Progression Overview

Flat Shapes All Around Us

Section A Lessons 1-9

K.CC.A., K.CC.B, K.CC.C., K.G.A., K.G.B, K.MD.A., K.MD.B.

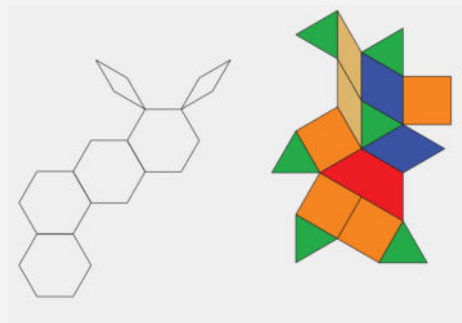
- Recognize and describe shapes in the environment.
- Use informal language to describe and compare shapes and their attributes.



Section B Lessons 10-15

K.CC.A, K.CC.B, K.CC., K.CC.C., K.G.A., K.G.A., K.G.B.,

- Explore shapes by putting shapes together to form larger shapes.



Unit 3 Quick Links



[L1](#)

[L2](#)

[L3](#)

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[L6](#)

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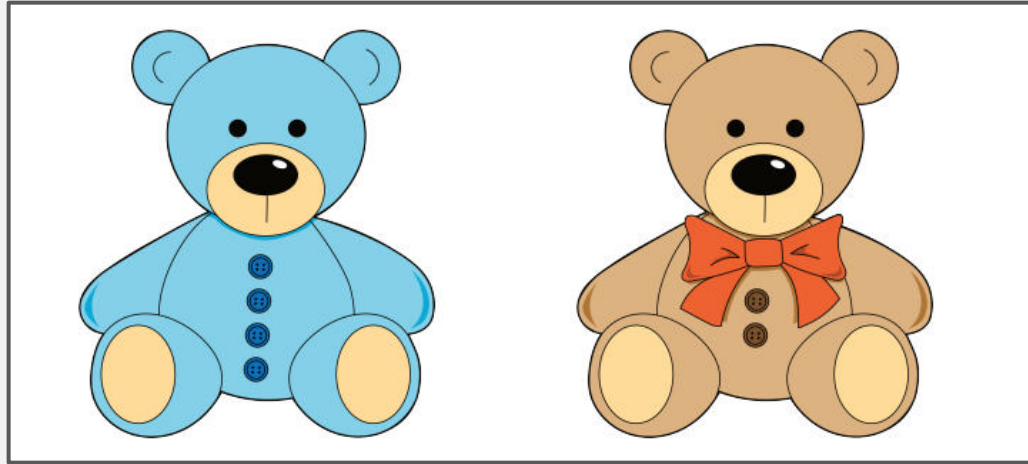
What We Know About Shapes



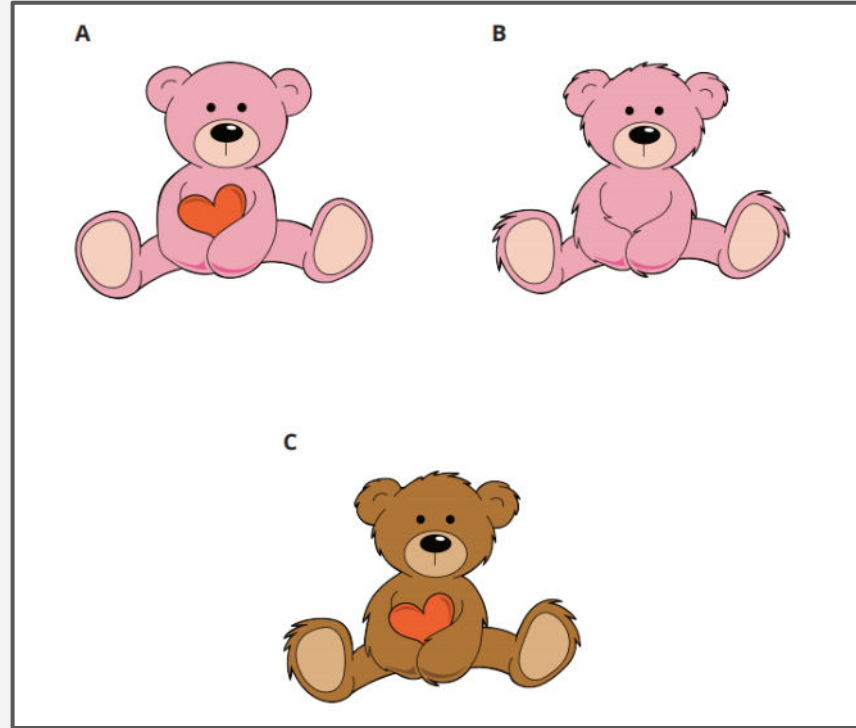
Let's talk about shapes.

Launch: Teddy Bears

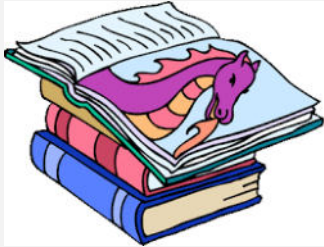
What is the same and what is different about the teddy bears?



Which One Doesn't Belong?: Teddy Bears



Introduce Picture Books, Find Shapes in Books

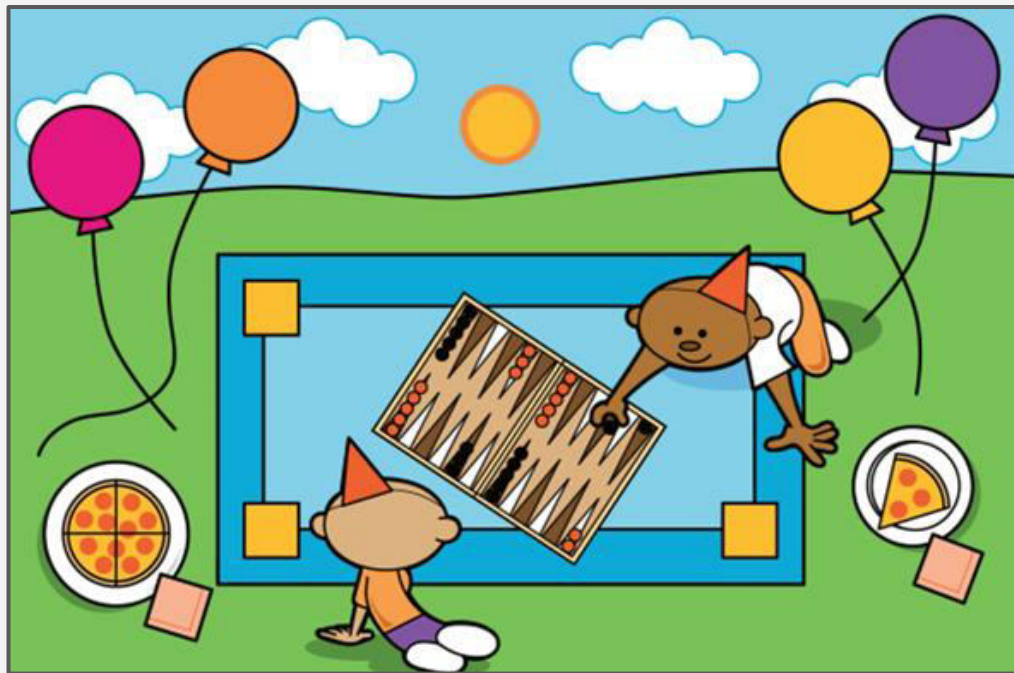


We are going to read this story again.

This time let's look very closely at the pictures and see
what we notice.

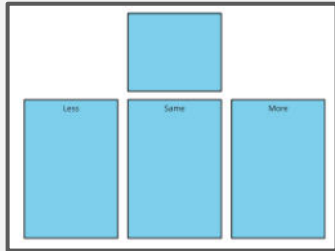


Shapes in a Picture

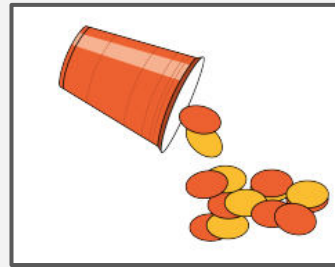


Centers: Choice Time

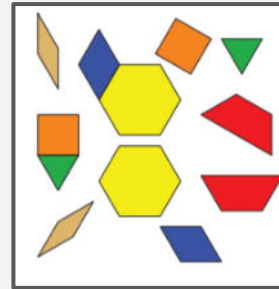
Less, Same, More



Shake and Spill



Pattern Blocks

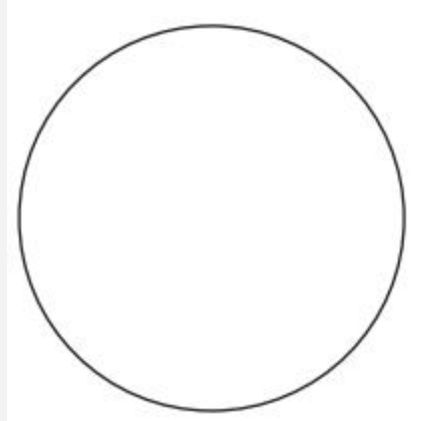


Picture Books,
Find Shapes in
Books



Lesson
Synthesis

Today we described shapes we saw in pictures.



Where do you
see shapes
like this?

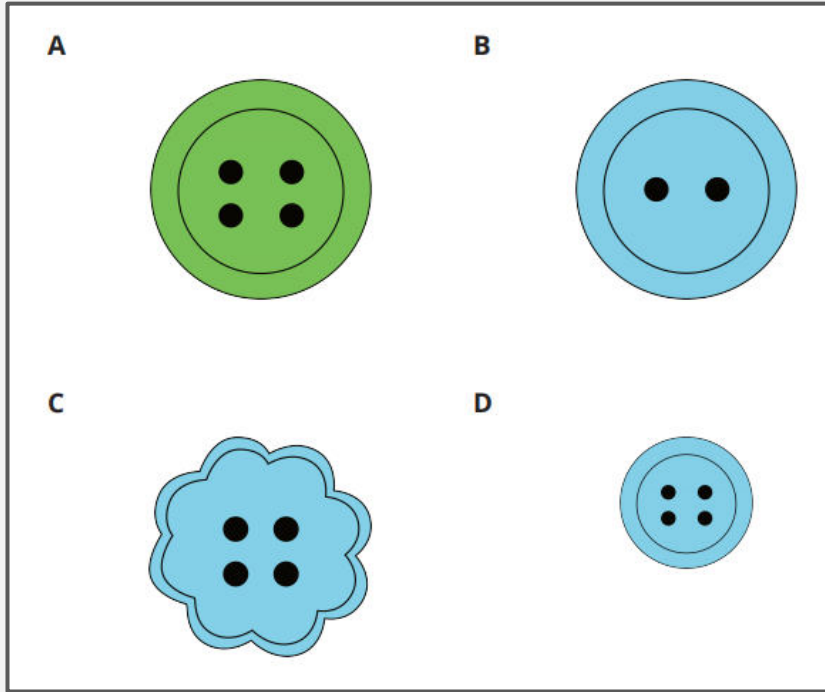


Match Shapes



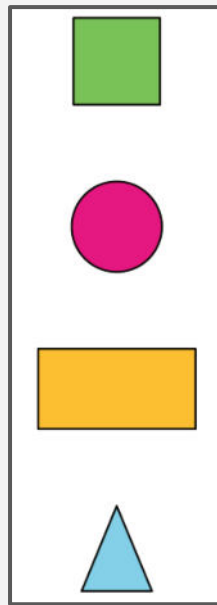
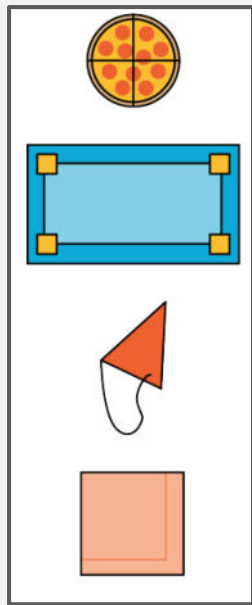
Let's find shapes that are the same.

Which One Doesn't Belong: Buttons



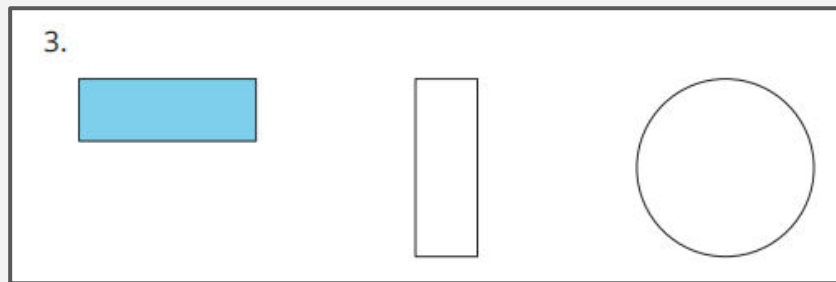
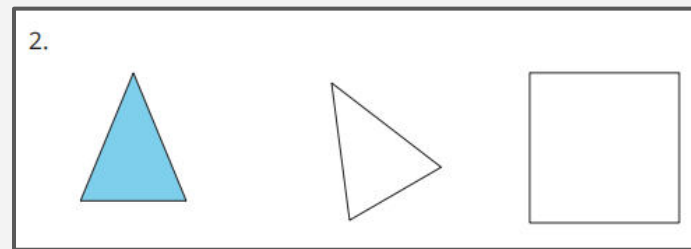
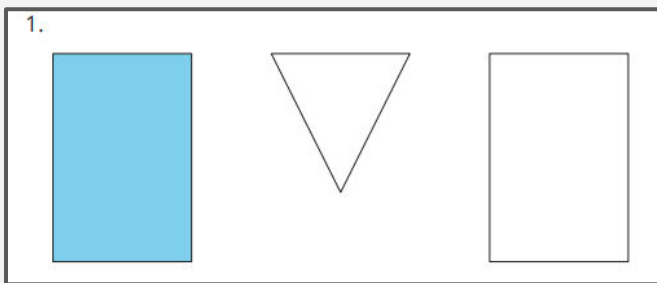
Match Objects and Shapes

Draw a line to match the objects to the shape they look like.



Which Shape is the Same?

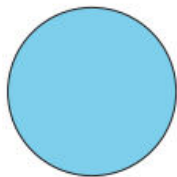
Color the shape that is the same as the first shape in each row.



Which Shape is the Same?

Color the shape that is the same as the first shape in each row.

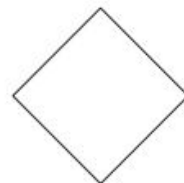
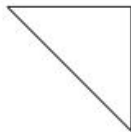
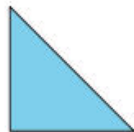
4.



5.

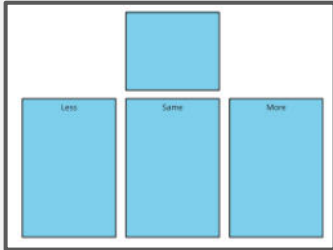


6.

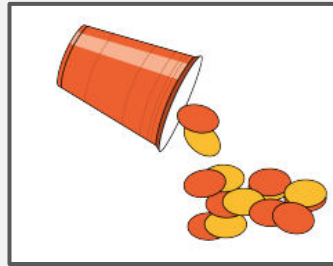


Centers: Choice Time

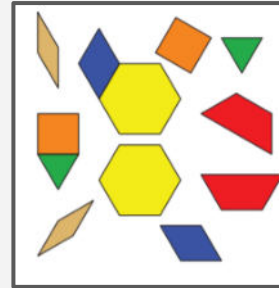
Less, Same, More



Shake and Spill



Pattern Blocks



Picture Books,
Find Shapes in
Books



Lesson
Synthesis

Today we learned that objects in the world look like shapes we can describe. We also learned that the same shape can look different if it is turned a different way or if it is a different size. Find 2 things in the classroom that look like the same shape.

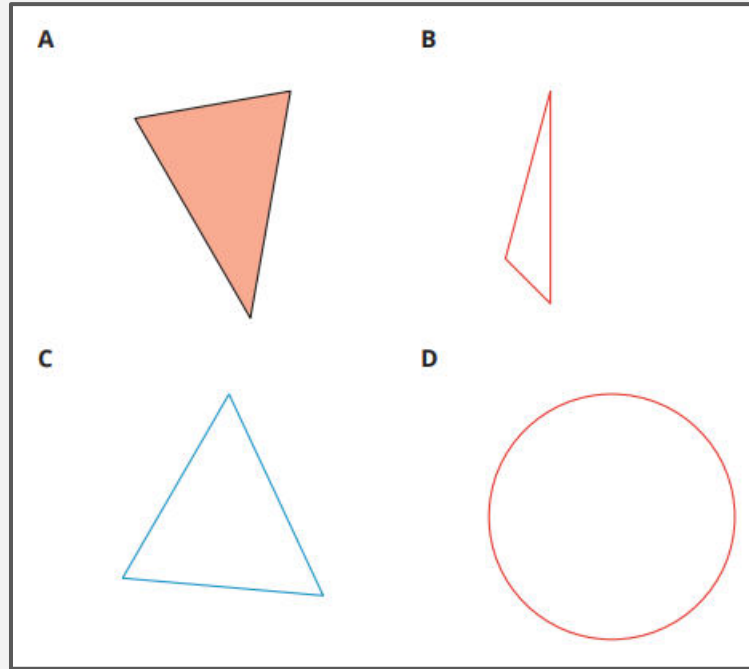


Describe and Compare Shapes

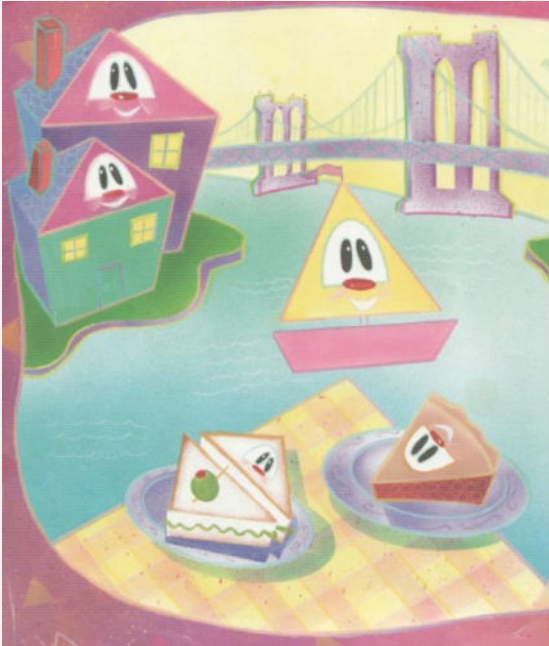


Let's compare shapes.

Which One Doesn't Belong: Compare Shapes



Hunt for Shapes to Compare

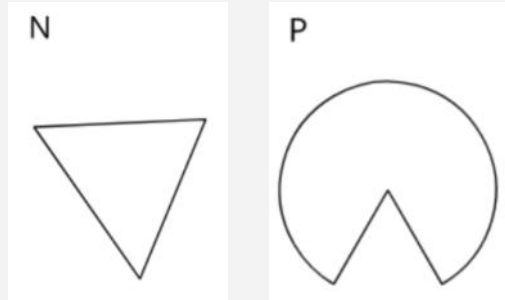


- What is alike, or the same, about these shapes?
- What is different about these shapes?
- While you and your partner look through your picture book, you will each choose a shape that you see on the same page. Share the shapes you see. Then talk about how the 2 shapes are alike and different.

Alike and Different

We are going to play a game that lets us think about how shapes are alike and how they are different.

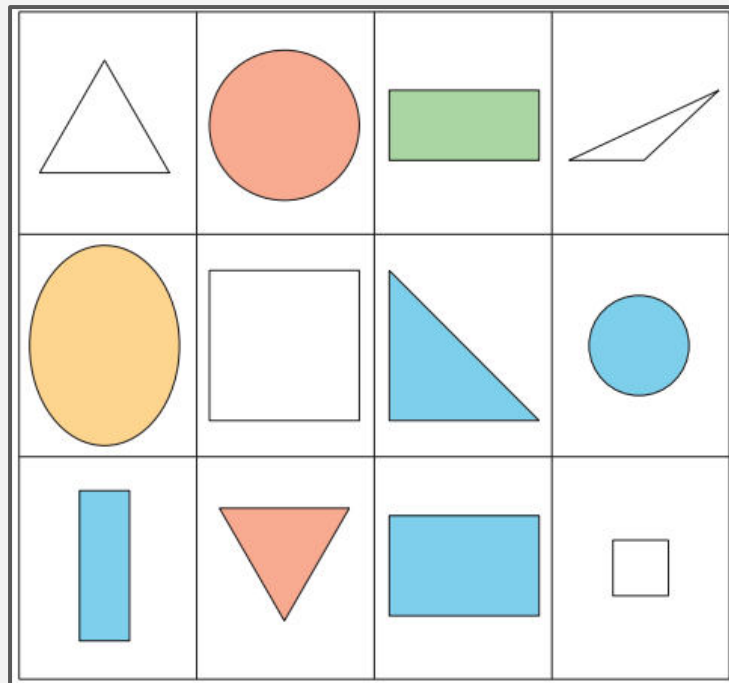
What is alike about these two shapes?



What is different about these two shapes?

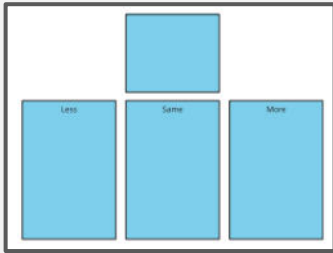
- Each of you will turn over a card. With your partner, look carefully at the two shapes.
- Find one thing that is alike about your shapes and one thing that is different

Centers: Introduce Guess Who, Shapes

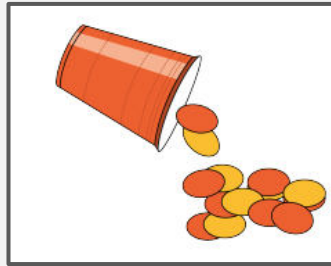


Centers: Choice Time

Less, Same, More



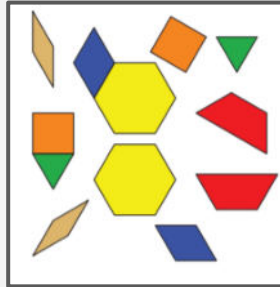
Shake and Spill



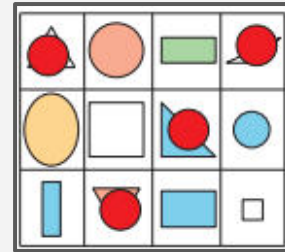
Picture Books,
Find Shapes in
Books



Pattern Blocks

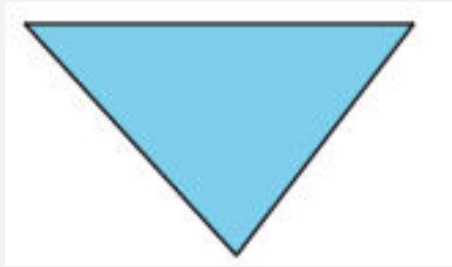


Guess Who



Lesson
Synthesis

Today we described shapes in different ways.
Tell your partner something about this shape.



What can you tell
about the
number of sides
and corners this
shape has?



Describe, Compare, and Sort Shapes



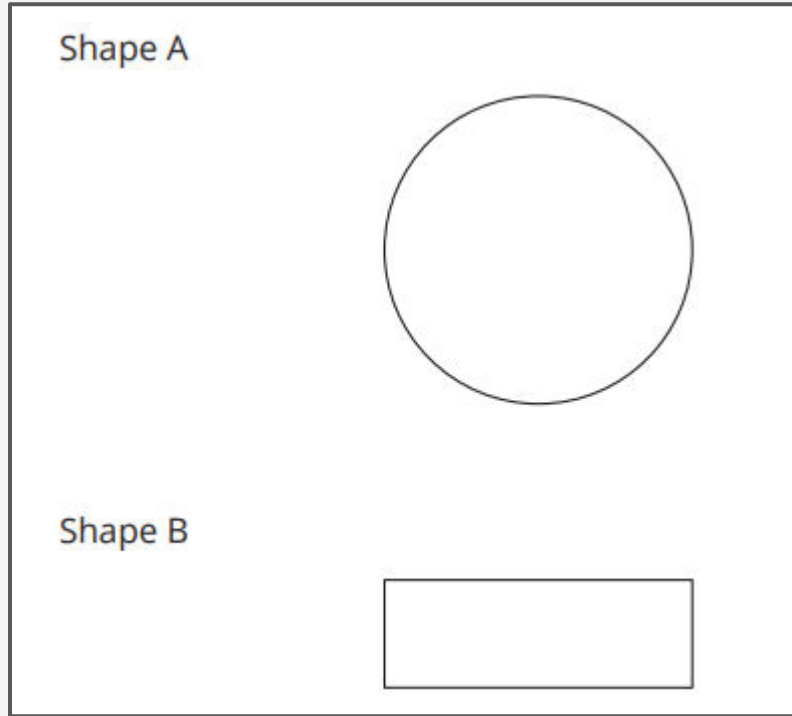
Let's describe and sort shapes.

Choral Count: Extend the Count Sequence

Let's count to 30.

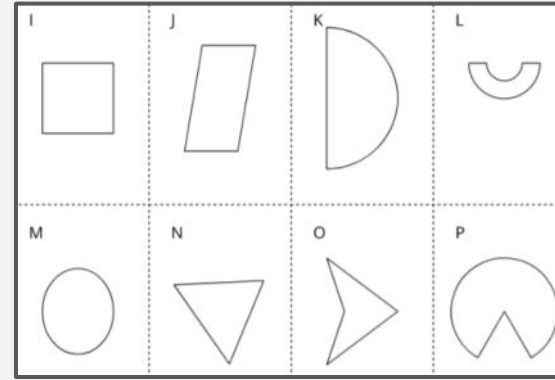
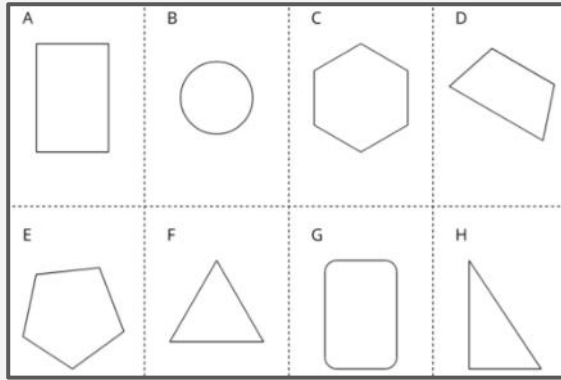


Classroom Shape Hunt



- We are going on a shape hunt in our classroom. There is a special shape you are looking for.
- When you find an object that looks like your shape, bring it back to the group

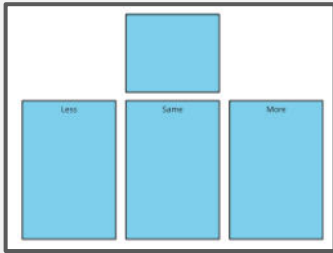
Shape Sort



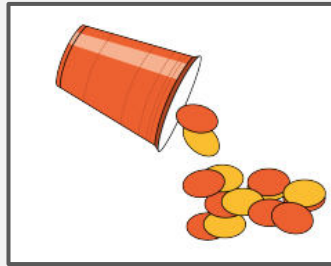
- *In the last activity we sorted our objects into groups. We put the objects together based on something that was the same about the objects.*
- *You and your partner will sort the shape cards into 2 groups. You can decide how to sort the shapes. Put each shape in one of your groups. Talk to your partner about why each shape fits in the group*

Centers: Choice Time

Less, Same, More



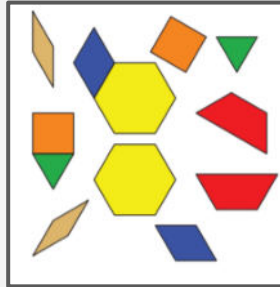
Shake and Spill



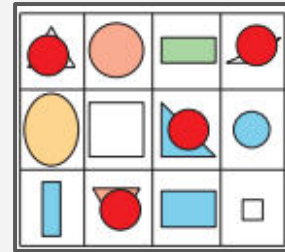
Picture Books,
Find Shapes in
Books



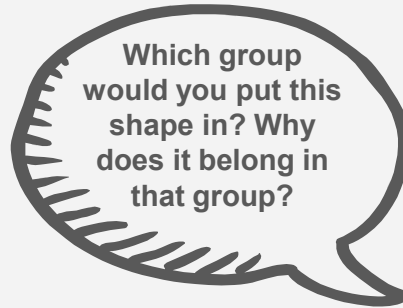
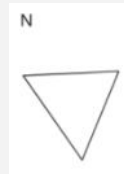
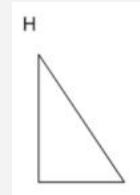
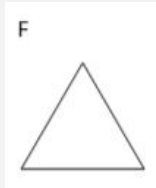
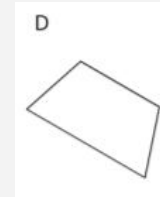
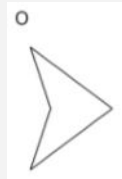
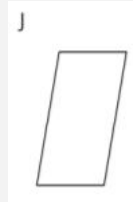
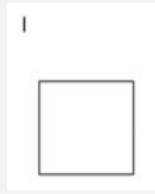
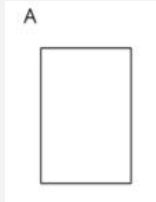
Pattern Blocks



Guess Who



Today we sorted shapes into categories. We know that we sort shapes into groups based on something that is the same about the shapes.



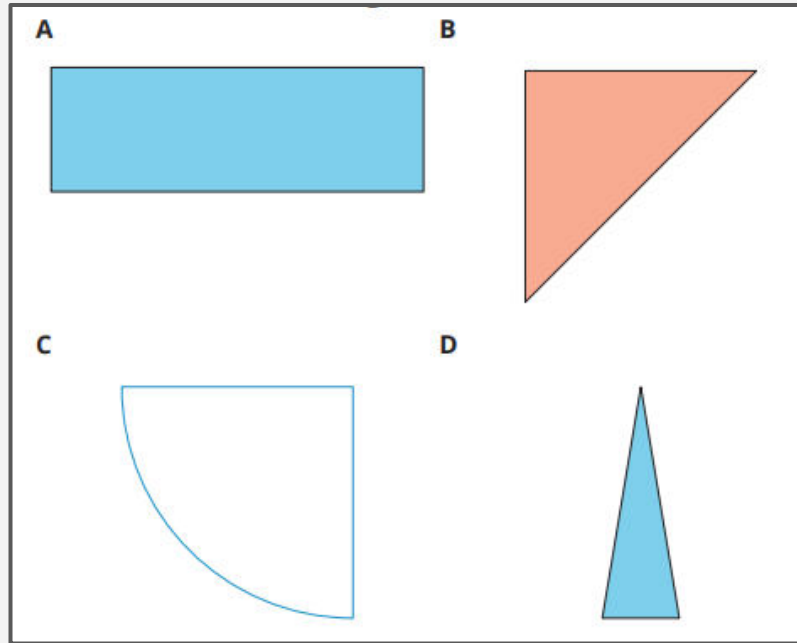
Circles and Triangles



Let's learn the names of some shapes.

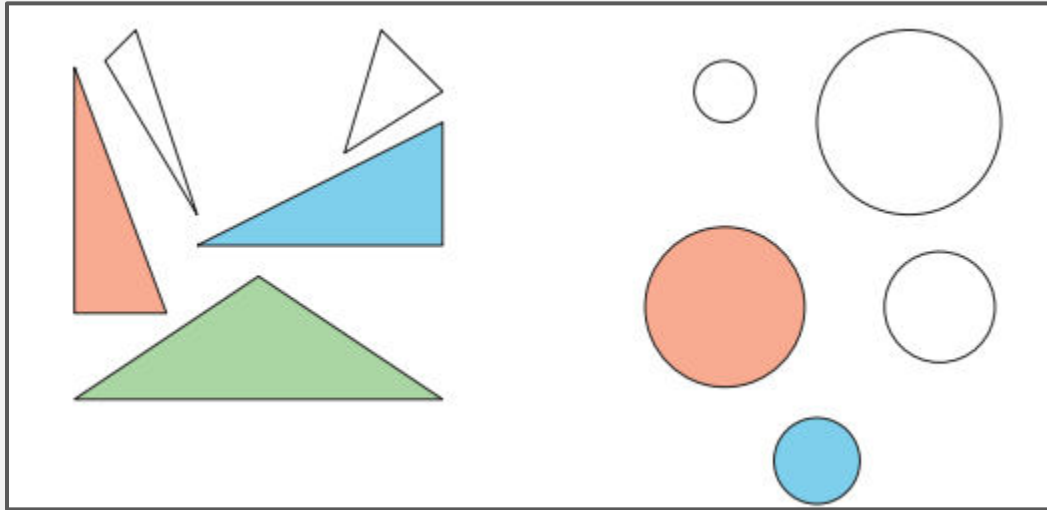
Which One Doesn't Belong: Shape Attributes

Warm
up



Color Circles and Triangles

Mai put her shapes into 2 groups. What do you notice?
Why do you think Mai put these shapes together?

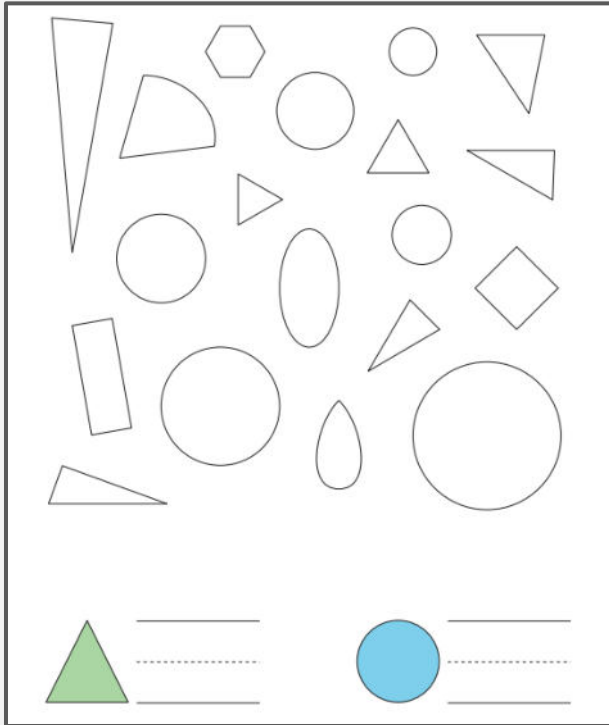


What can we name each group?

What do you know about circles?

What do you know about triangles?

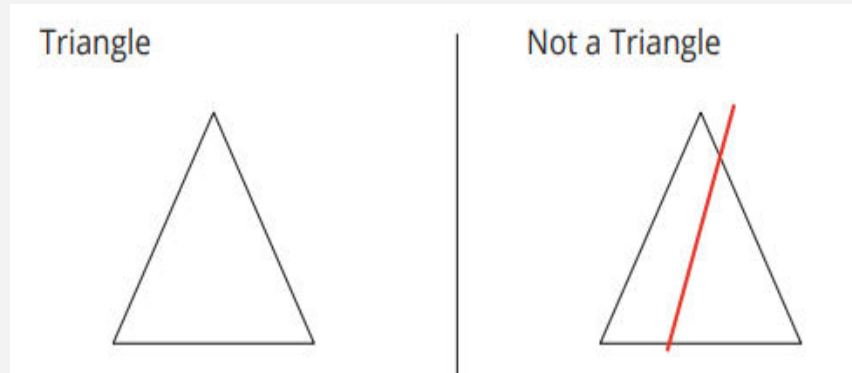
Color Circles and Triangles



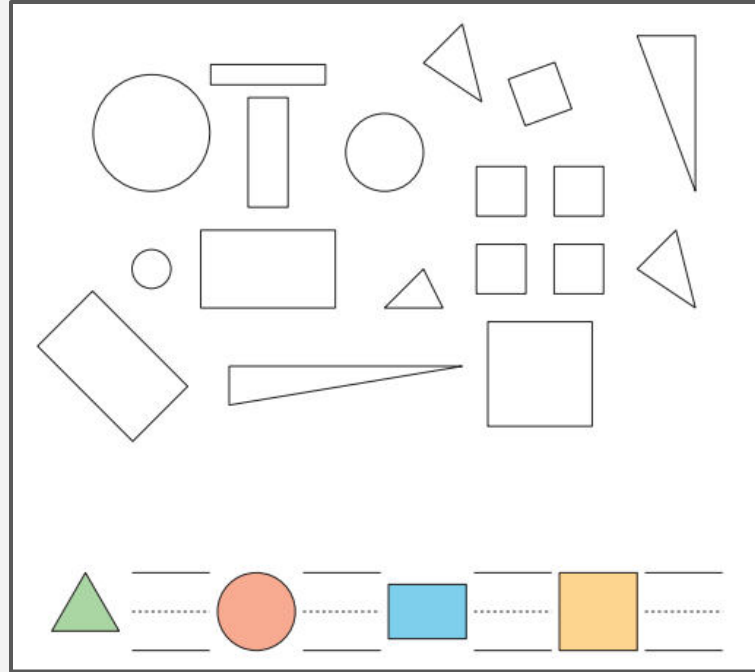
- Color all of the circles that you find with 1 color. Then color all of the triangles that you find with another color.
- Choose 1 triangle that you colored in. Tell your partner 1 thing that you know about that shape.
- Write a number to show how many triangles you colored. Write a number to show how many circles you colored.
- Did you color more triangles or more circles? How do you know?

Triangle Sort

- Work with your group to sort the shapes into 2 groups.
- Put the shapes that are triangles on the left side of your page.
- Put the shapes that are not triangles on the right side of your page.
- When you place a shape, tell your group why you think the shape belongs in that group

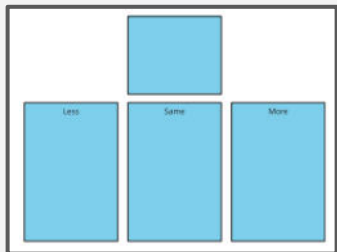


Centers: Introduce Recognize Shapes, Count

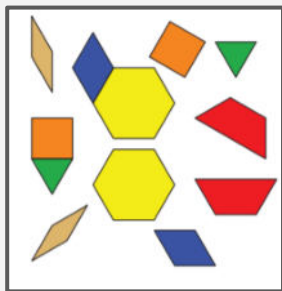


Centers: Choice Time

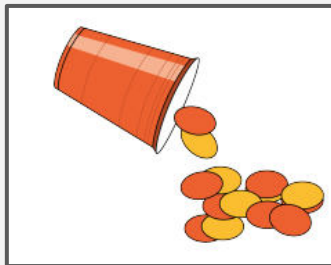
Less, Same, More



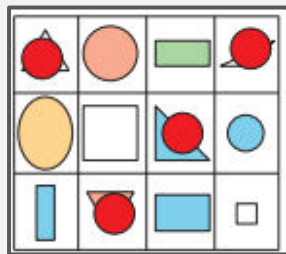
Pattern Blocks



Shake and Spill



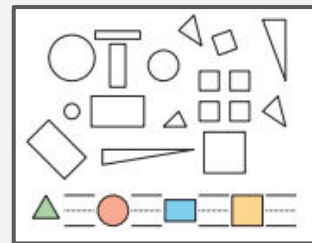
Guess Who



Picture Books,
Find Shapes in
Books



Recognize Shapes



Today we named circles and triangles.

How are circles
and triangles
different?



Are there any other
words to describe
triangles or circles that
we can share?

Rectangles and Squares

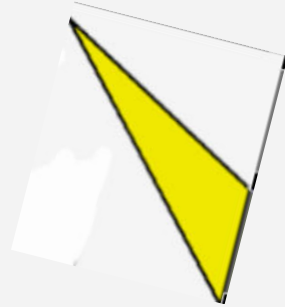


Let's learn the names of some more shapes.

What Do You Know About:

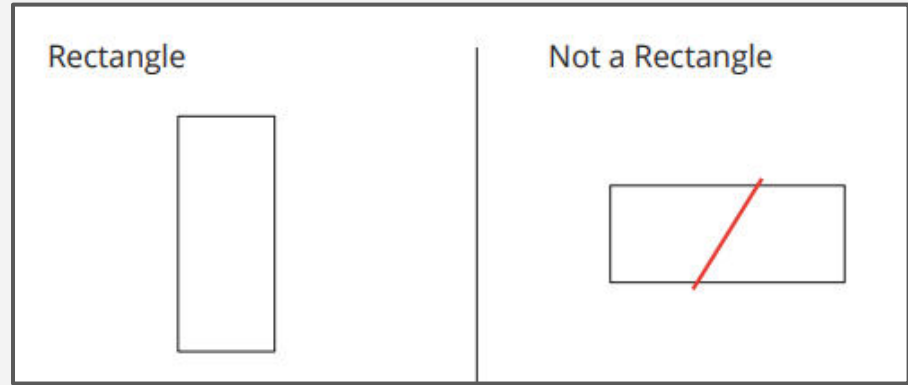


Triangles

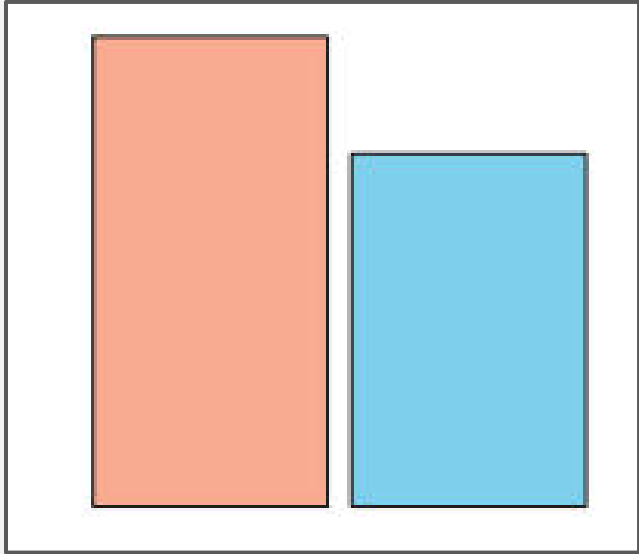


Sort Rectangles

- Work with your group to sort the shapes into 2 groups.
- Put the shapes that are rectangles on the left side of your page.
- Put the shapes that are not rectangles on the right side of your page.
- When you place a shape, tell your group why you think the shape belongs in that group



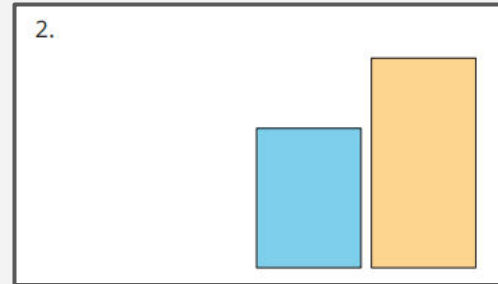
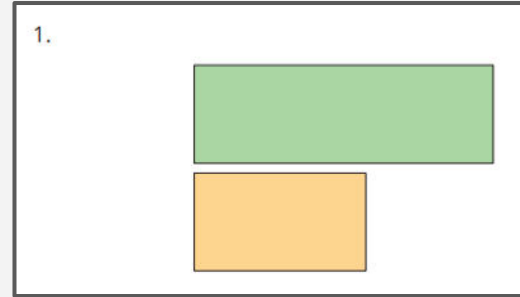
Compare Length of Rectangles



- What is the same about these shapes?
- What is different about them?
- Which rectangle is shorter?

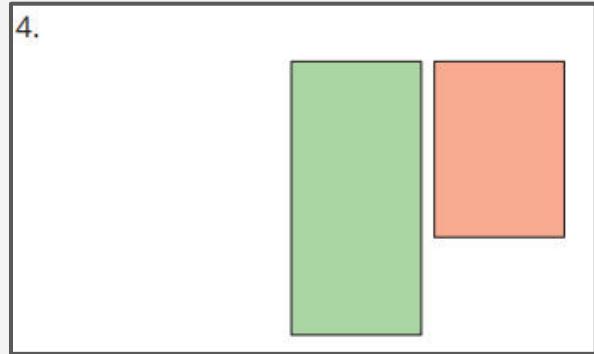
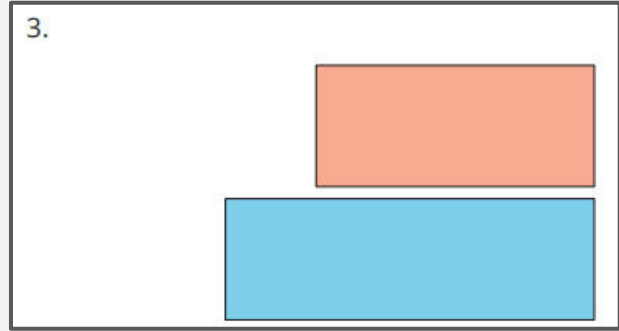
Compare Length of Rectangles

- Circle the rectangle that is longer.
Tell your partner how you know which rectangle is longer
- Circle the rectangle that is shorter.
Tell your partner how you know which rectangle is shorter.



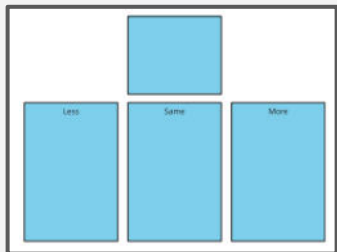
Compare Length of Rectangles

- Circle the rectangle that is longer.
Tell your partner how you know which rectangle is longer
- Circle the rectangle that is shorter.
Tell your partner how you know which rectangle is shorter.

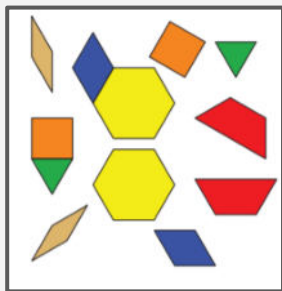


Centers: Choice Time

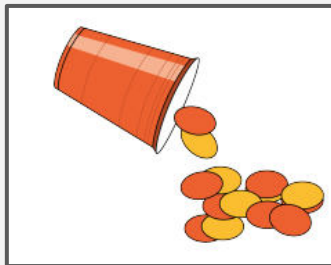
Less, Same, More



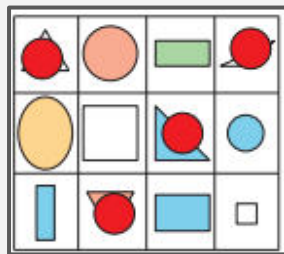
Pattern Blocks



Shake and Spill



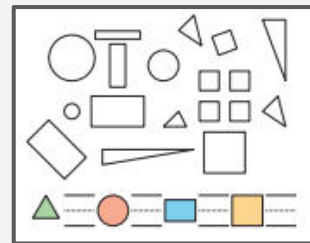
Guess Who



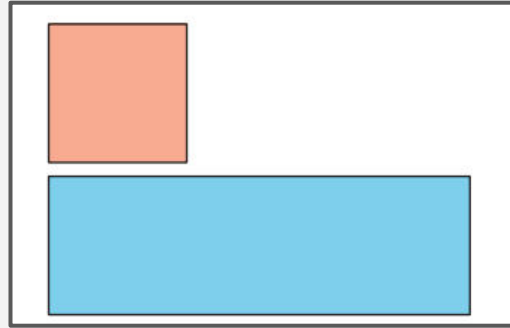
Picture Books,
Find Shapes in
Books



Recognize Shapes



Today we worked with rectangles and squares.



What is the same
and what is
different about
these shapes?



Build with Straws



Let's make shapes with straws.

Choral Count: Count to 30

Let's count to 30.



Compare Length of Straws

Today we will use these straws to build shapes.

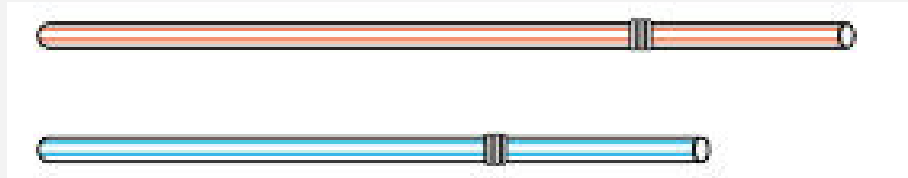
- First let's compare the lengths of the straws



Clare was comparing the lengths of the straws. She says that the blue straw is longer than the red straw because it sticks out more. What do you think?

Compare Length of Straws

When we're comparing the lengths of objects, we should line them up at their ends.



Tell your partner about the length of the straws using 'shorter than.'

- Work with your partner to compare the length of the straws to the line on your paper. If the straw is shorter than the line, put it on the left side of the page. If the straw is longer than the line, put it on the right side of the page. Tell your partner about each straw using 'longer than' and 'shorter than.'

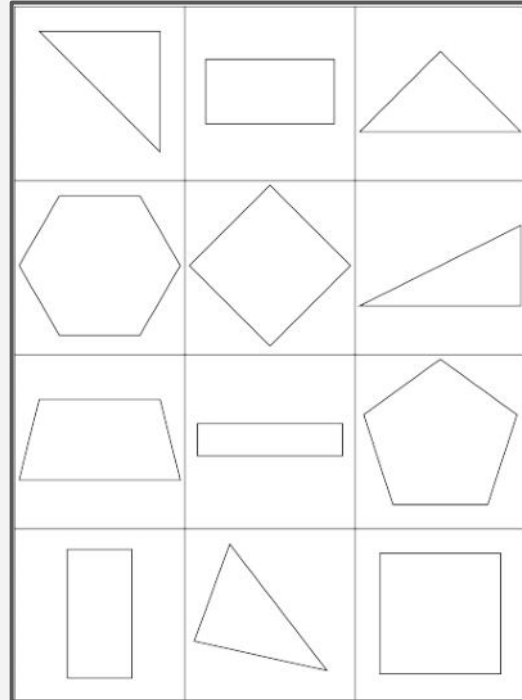
Building Shapes from Straws



- Use your straws to make a shape.
- Show it to your partner and ask 'What shape did I make?'
- Take turns making and naming shapes.

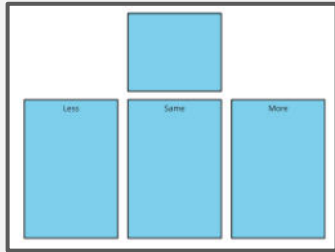
Centers: Introduce Build Shapes, Match the Card

Activity
#3

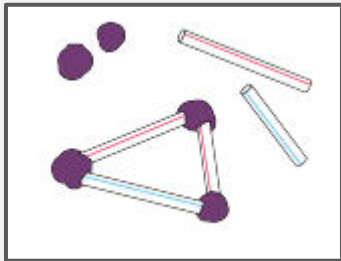


Centers: Choice Time

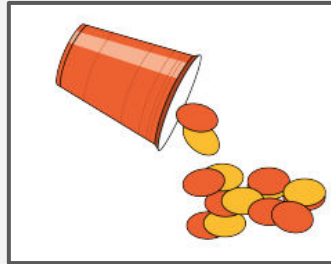
Less, Same, More



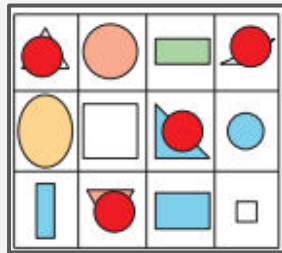
Build Shapes



Shake and Spill



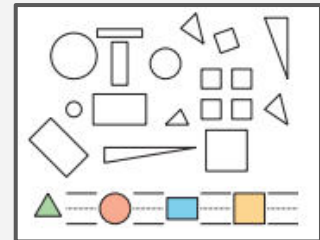
Guess Who



Picture Books,
Find Shapes in
Books



Recognize Shapes



Today we built shapes with straws.



Tell your partner 1
thing you know about
each shape. Which
shape is longer? How
do you know?



Draw Shapes

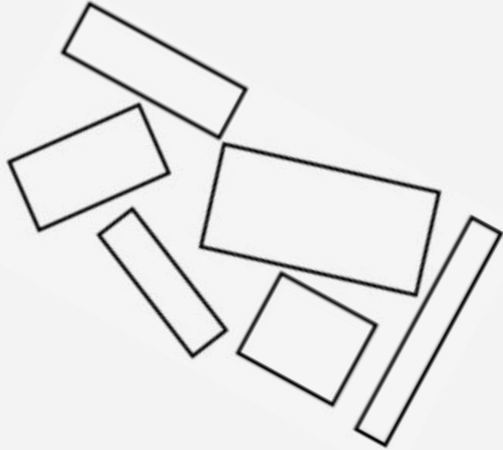


Let's draw shapes.

Warm
up

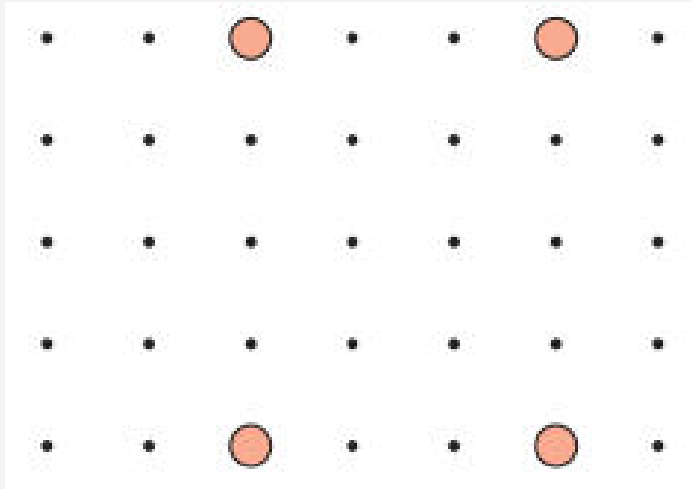
What Do You Know About:

Rectangles



Connect the Dots

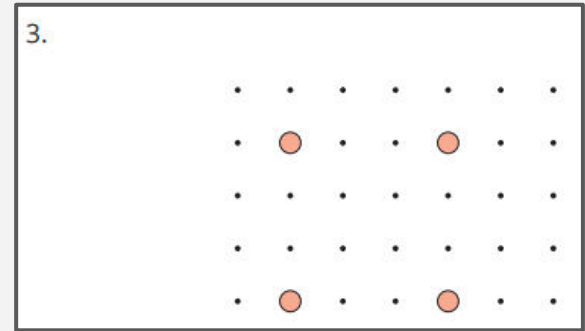
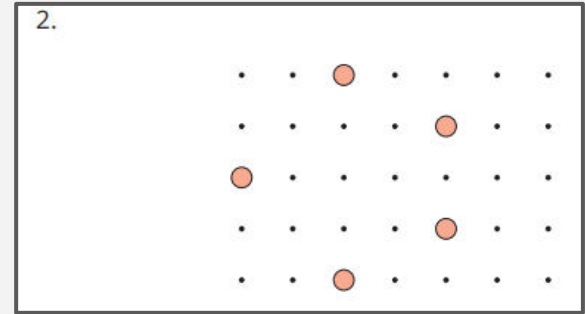
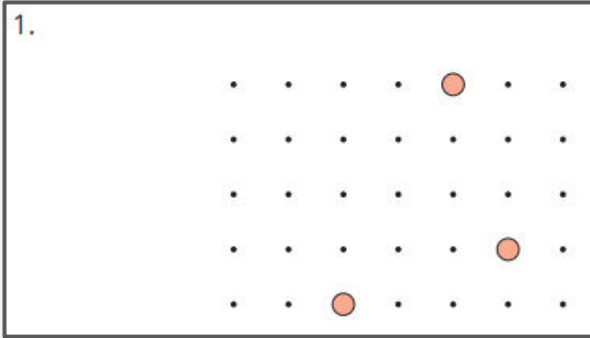
What do you notice? What do you wonder?



- These dots will help us draw shapes.
- I need to connect the red dots using straight lines
- Where should I draw the next line?
- What shape did I draw?

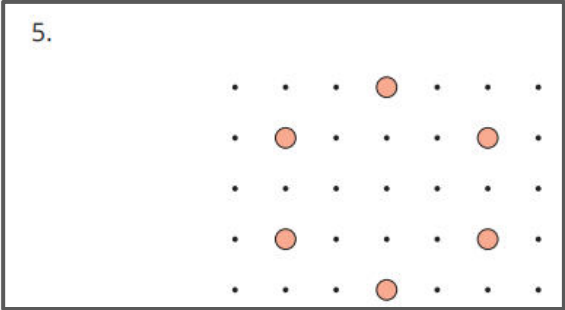
Connect the Dots

- Draw straight lines to connect the dots.
- When you're finished, color in the shape and tell your partner about the shape you drew.



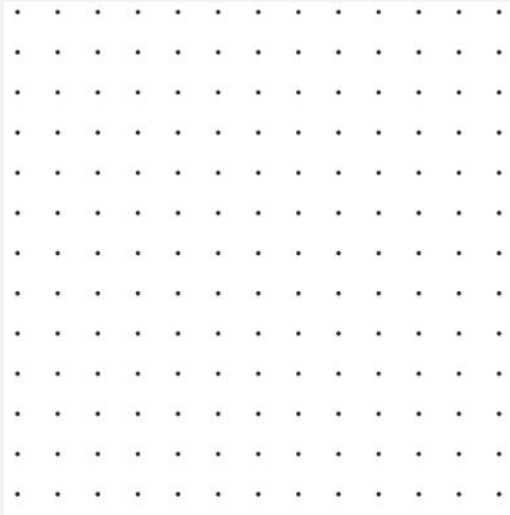
Connect the Dots

- Draw straight lines to connect the dots.
- When you're finished, color in the shape and tell your partner about the shape you drew.



Describe and Draw Shapes

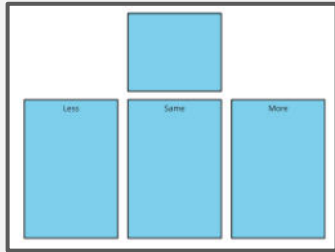
***In the last activity, we used dot paper.
What is different about this dot paper?***



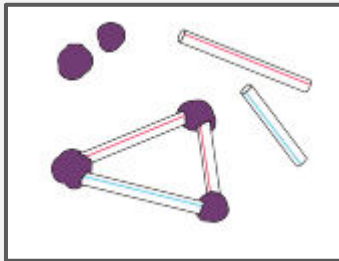
- Today we're going to play a new game called 'Draw the Mystery Shape'.
- One partner will choose a shape and describe it.
- The other partner draws the shape.

Centers: Choice Time

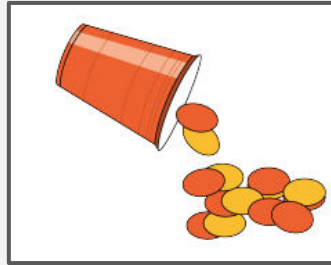
Less, Same, More



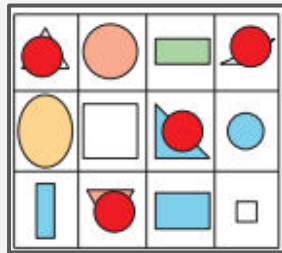
Build Shapes



Shake and Spill



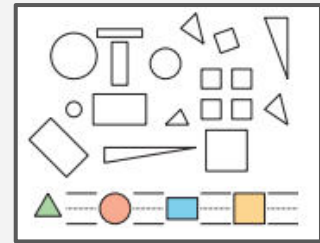
Guess Who



Picture Books,
Find Shapes in
Books

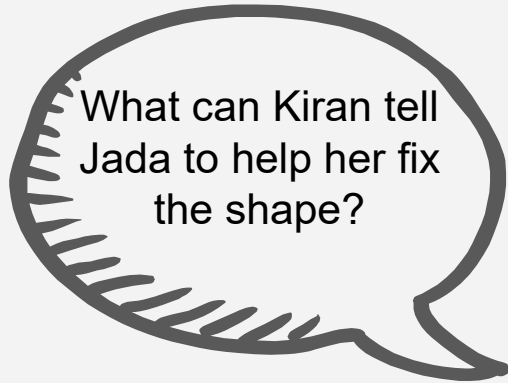


Recognize Shapes





Today we described and drew shapes. Kiran was trying to get Jada to draw this shape. She told Jada to draw a shape with 4 lines and 4 corners. Jada drew this shape.

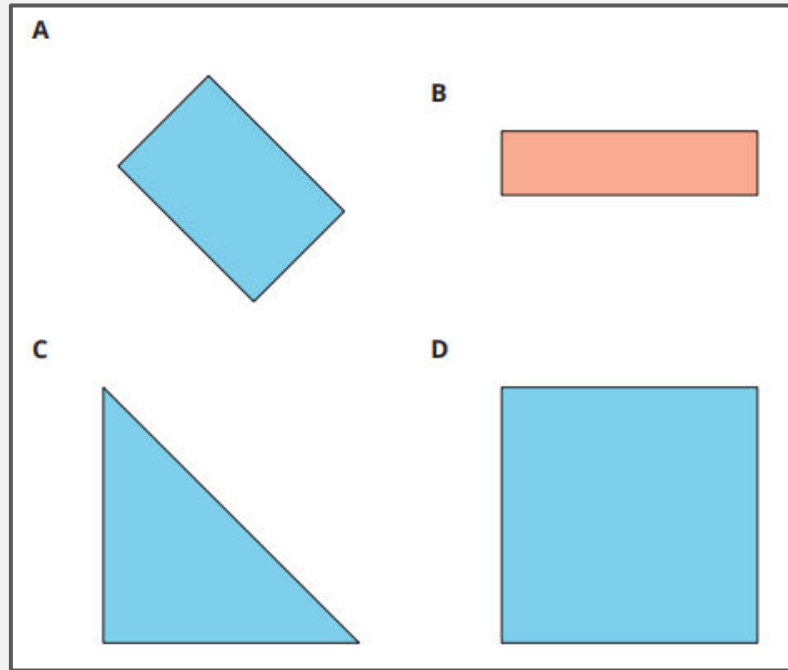


Shapes Are Everywhere



Let's find shapes in our world.




Which One Doesn't Belong: Rectangles, Squares, and Triangles



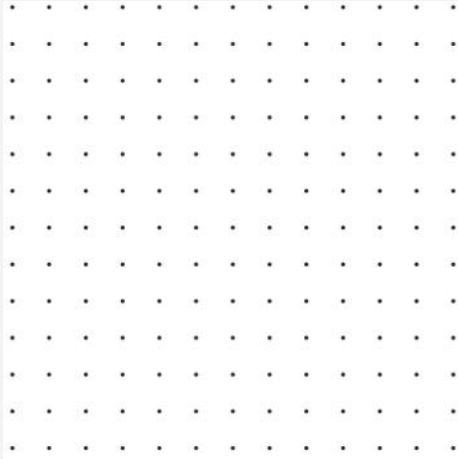
School Shape Walk

We are going to take a walk around the playground.

- Look for examples of triangles, rectangles, and circles around the playground.
- Tell your partner about the shapes you find and draw pictures or write words to record what you find.

		
_____	_____	_____
.....
_____	_____	_____

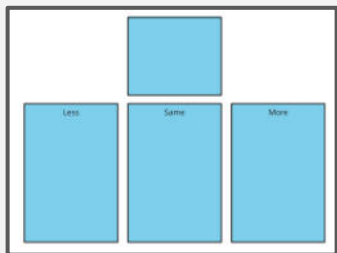
Create the Shape



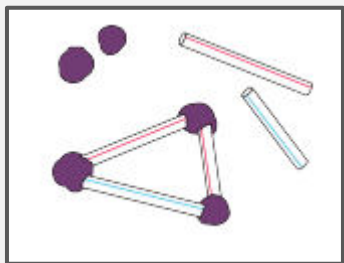
- What was your favorite shape that you found on our shape walk?
- Use any materials to make or draw your favorite shape that you found on the shape walk

Centers: Choice Time

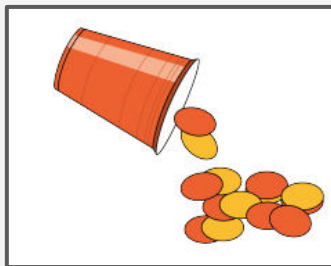
Less, Same, More



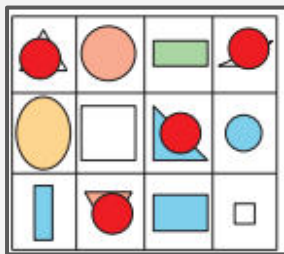
Build Shapes



Shake and Spill



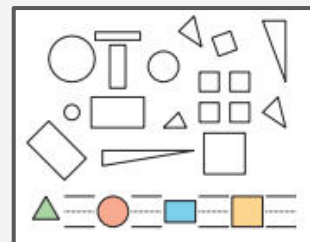
Guess Who



Picture Books,
Find Shapes in
Books



Recognize Shapes



In this section, we have learned all about shapes.

What have you
learned about
shapes?



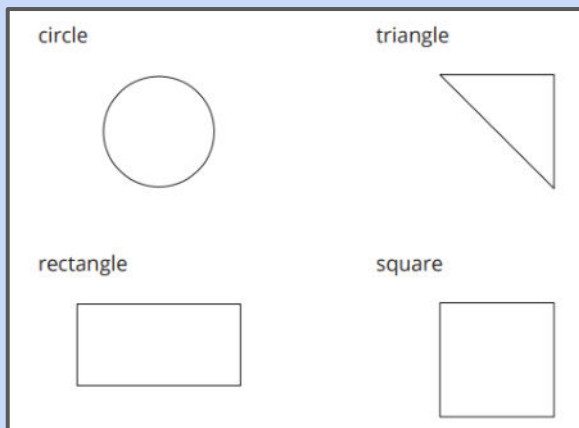


Section Summary



In this section we described, compared, and sorted shapes by looking at the sides and corners.

We learned the names of these shapes:



We looked for these shapes in the environment. We built these shapes out of straws and drew these shapes on paper.

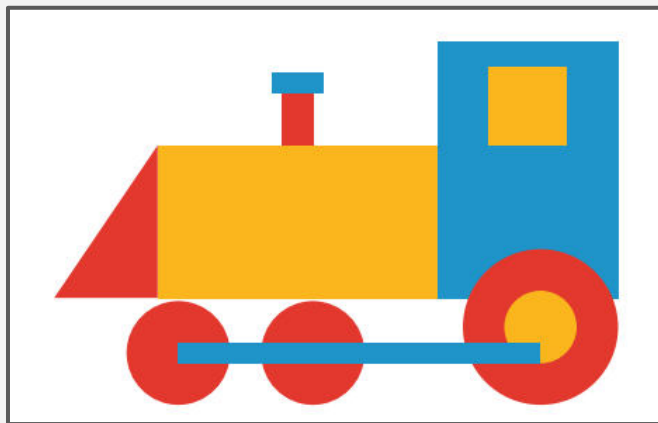
Put Together Pattern Blocks



Let's put together pattern blocks.

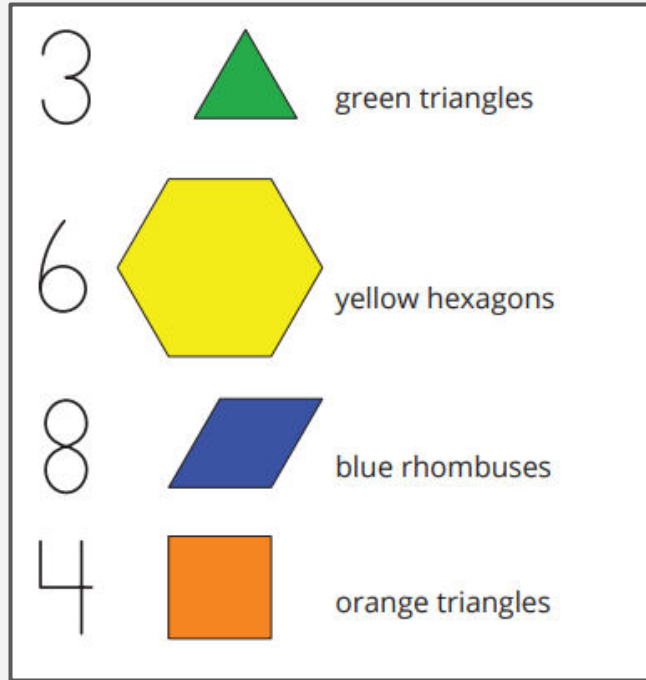
Notice and Wonder: Shape Train

What do you notice?



What do you wonder?

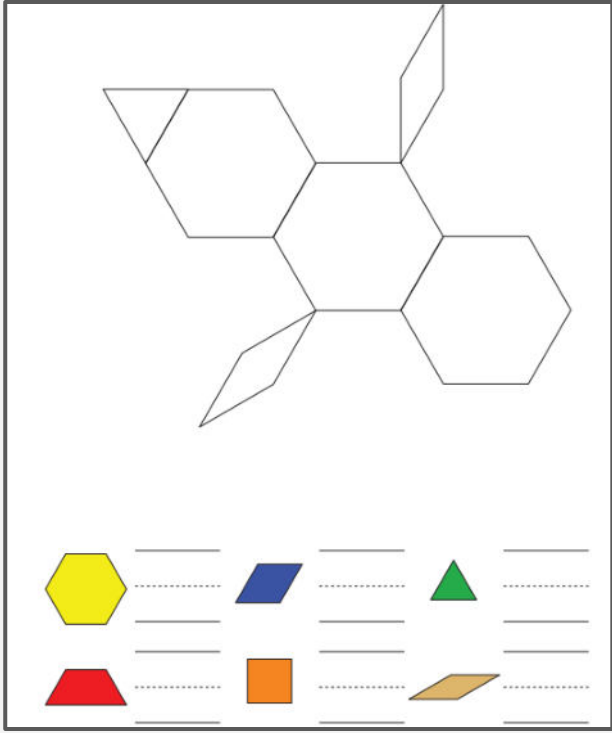
Introduce Pattern Blocks, Count Out and Build



- The numbers tell me how many of each pattern block I need to count out.
 - How many green triangle pattern blocks do I need?
- This sentence says 'I used more _____ than _____.' I can draw a picture of the pattern block or write a word. If I use more squares than triangles, I can draw a square on the first line and a triangle on the next line.
- Count out the pattern blocks. Then put your pattern blocks together to make a larger shape. Describe your shape to your partner. Then fill in the sentence and tell your partner about the shapes using 'more'.

Pattern Block Puzzles

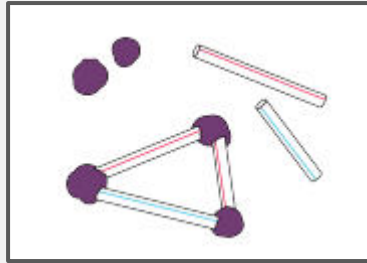
- What is a question that you can ask about this shape using the word 'fewer'?
- Use the pattern blocks to fill in each puzzle. Write a number to show how many of each pattern block you used. Ask your partner a question about each puzzle using the word 'fewer'.



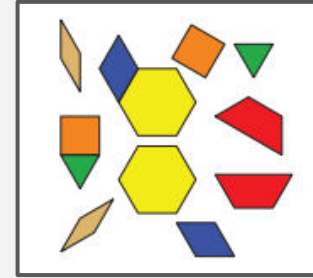
Centers: Choice Time



Geoblocks
Blocks



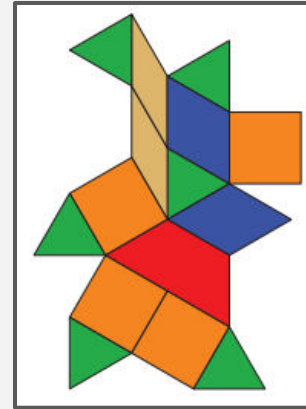
Build Shapes



Pattern

Today we put together pattern blocks to make shapes.

Describe this shape to your partner.



How many green triangles are there?
How many orange squares are there?
Are there more green triangles or more orange squares?



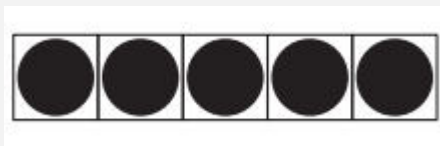
Same Shapes



Let's figure out which shapes are the same.

How Many Do You See: 1 More and 1 Less on 5-frames

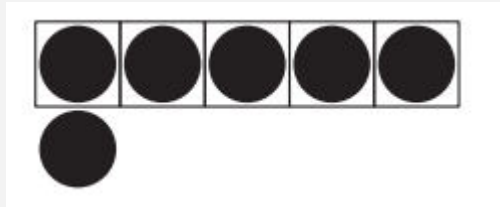
How many do you see?



How do you see them?

How Many Do You See: 1 More and 1 Less on 5-frames

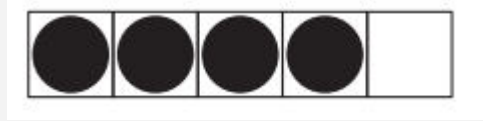
How many do you see?



How do you see them?

How Many Do You See: 1 More and 1 Less on 5-frames

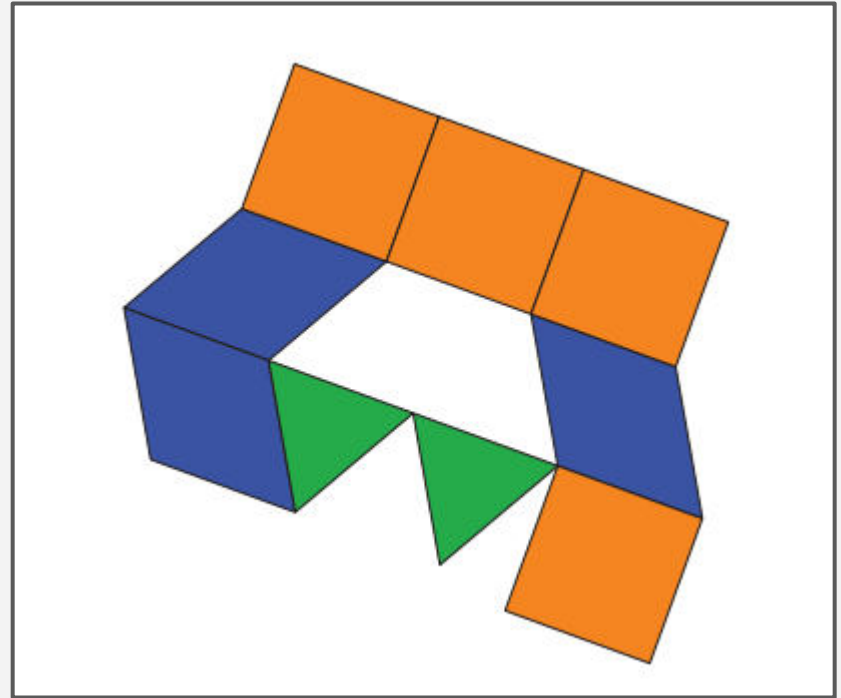
How many do you see?



How do you see them?

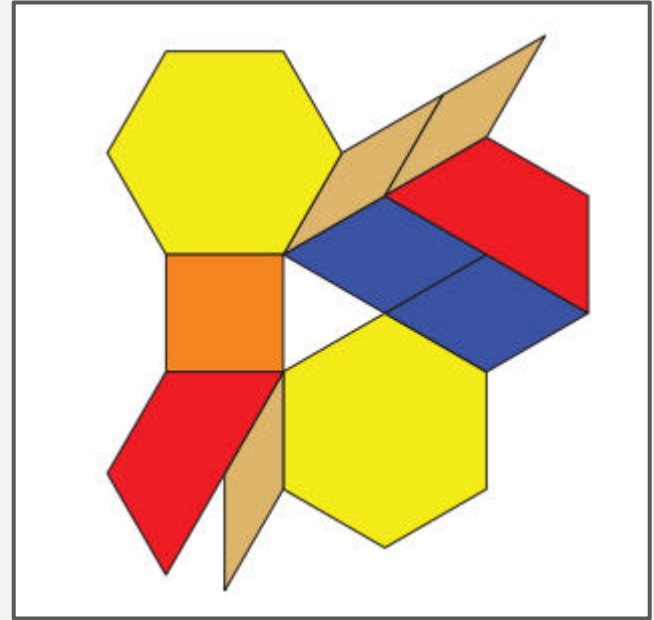
Missing Shapes

- What do you notice?
What do you wonder?
- Figure out which pattern block is missing from each puzzle. Tell your partner how you know.



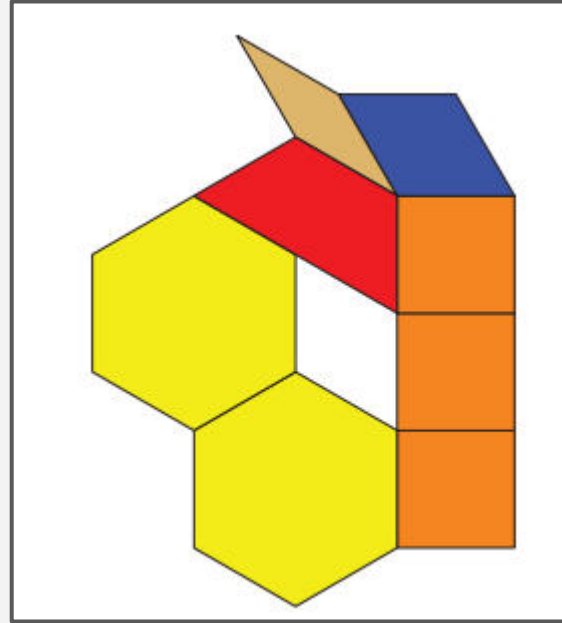
Missing Shapes

Figure out which pattern block is missing from each puzzle. Tell your partner how you know.



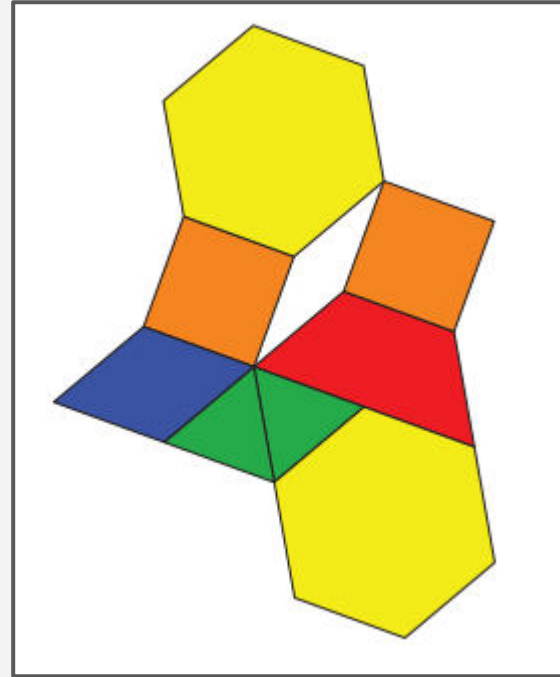
Missing Shapes

Figure out which pattern block is missing from each puzzle. Tell your partner how you know.



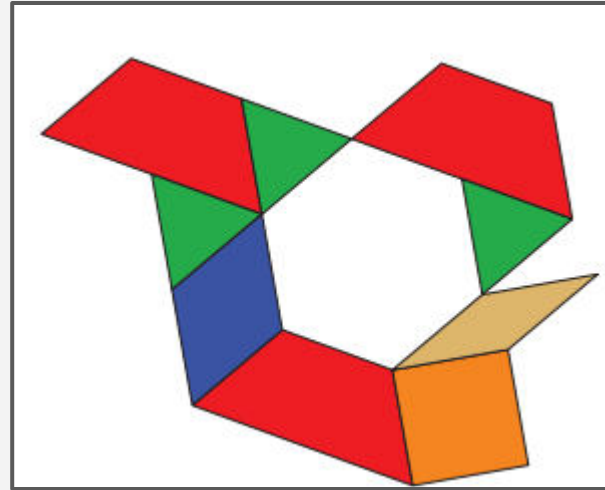
Missing Shapes

Figure out which pattern block is missing from each puzzle. Tell your partner how you know.



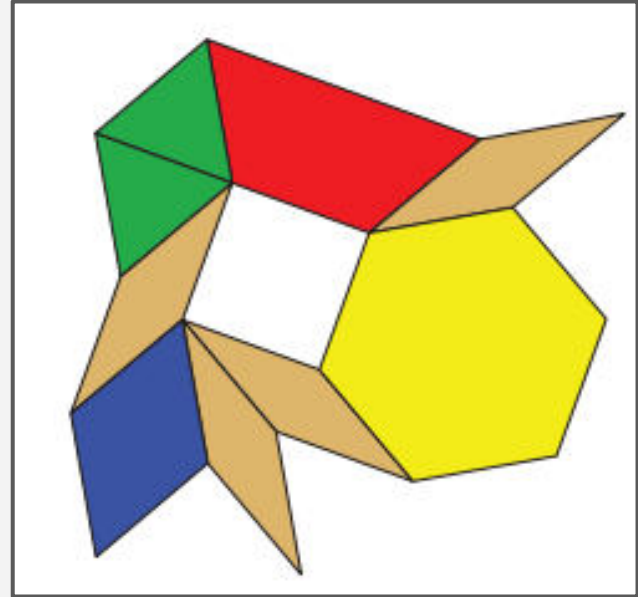
Missing Shapes

Figure out which pattern block is missing from each puzzle. Tell your partner how you know.



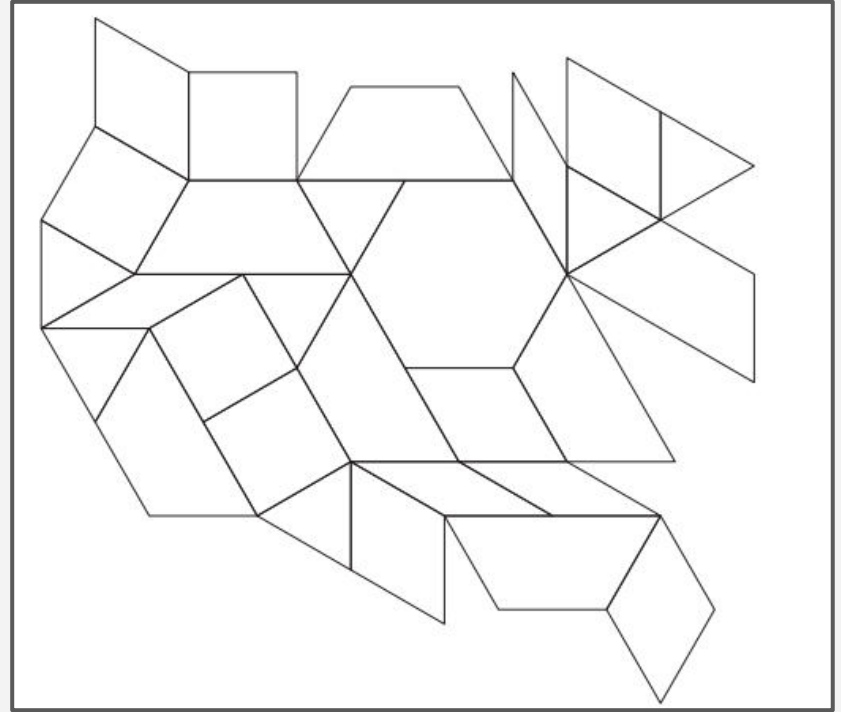
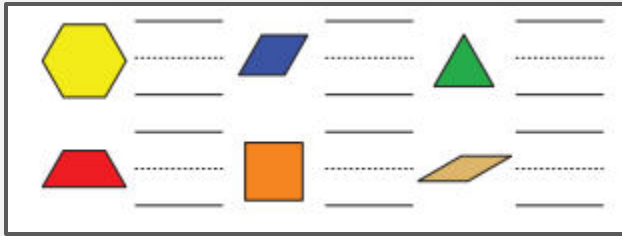
Missing Shapes

Figure out which pattern block is missing from each puzzle. Tell your partner how you know.



Find the Shape

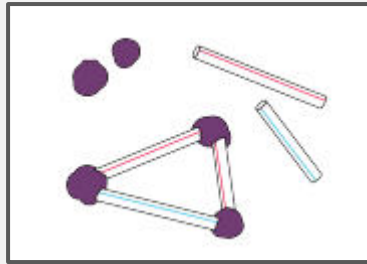
- Find all of the shapes in this puzzle that are the same as the red trapezoid pattern block. Color them red.
- Figure out how many red trapezoids there are. Write a number to show how many there are.
- Repeat the steps with the green triangle, blue rhombus, orange square, yellow hexagon, and tan rhombus pattern blocks.



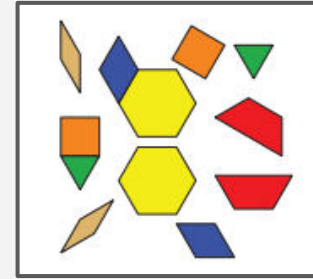
Centers: Choice Time



Geoblocks
Blocks

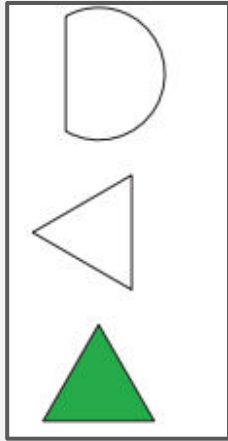


Build Shapes



Pattern

Today we looked for shapes that matched.



Which shape do you think is the same as the pattern block?
Why do you think that?

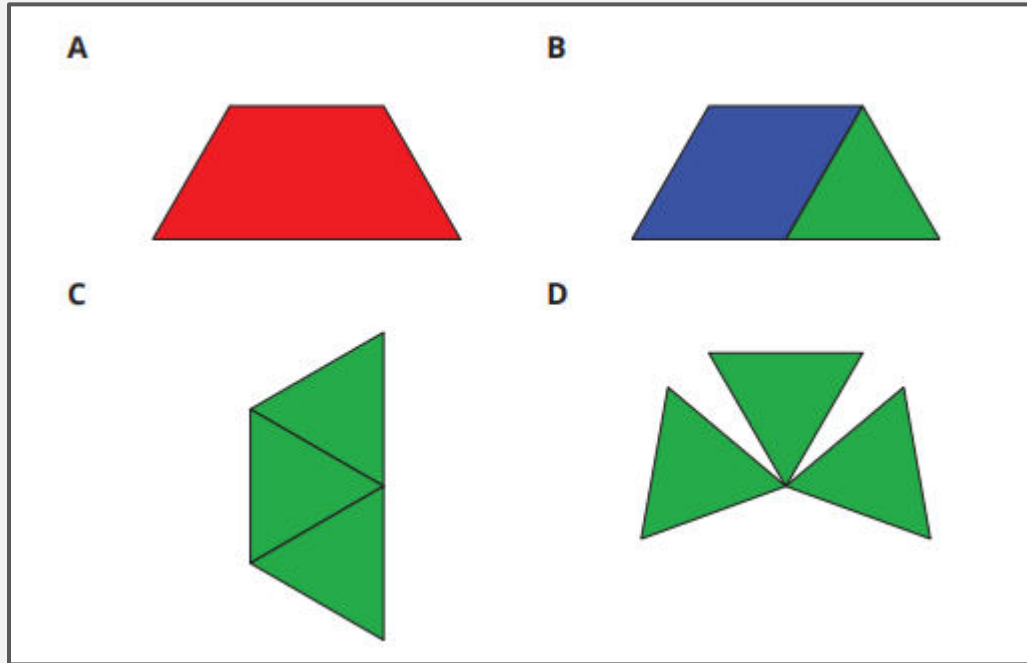


More than One Way to Make a Shape



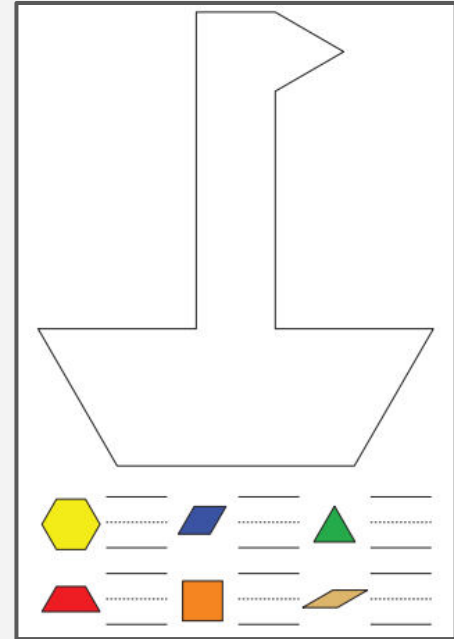
Let's figure out how many different ways we can make a shape.

Which One Doesn't Belong: Pattern Block Trapezoids

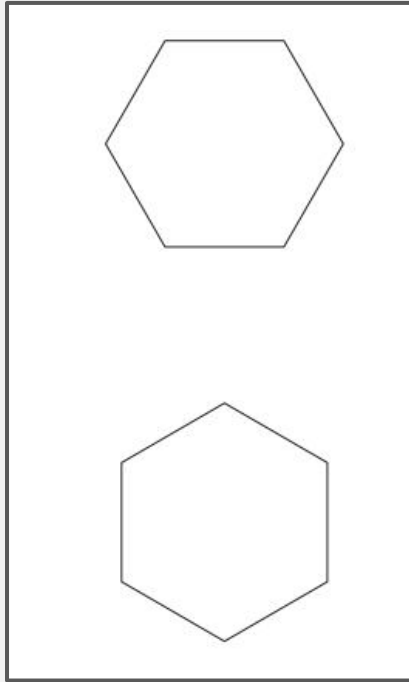


Introduce Pattern Blocks, Puzzle Challenge

- Use the pattern blocks to fill in the puzzle.
- Write a number to show how many of each pattern block you used



Many Ways to Make a Hexagon

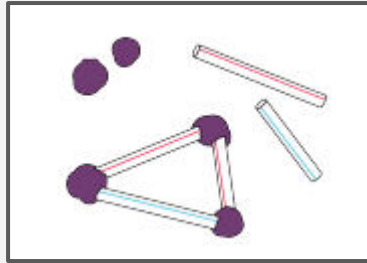


- Work with your partner to find many different ways to make hexagons with pattern blocks.
- Tell your partner about the shapes that you use each time using 'more', 'fewer', or 'the same as'.

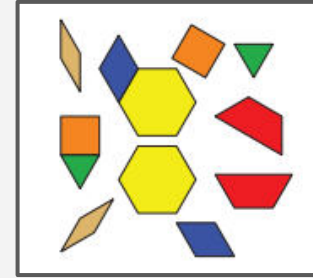
Centers: Choice Time



Geoblocks
Blocks

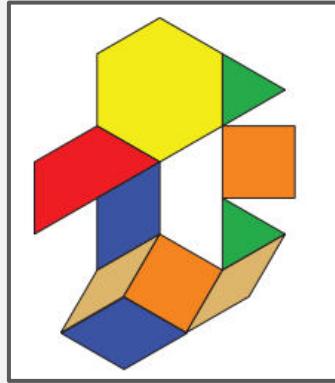


Build Shapes



Pattern

Today we discovered that we can put together shapes in different ways to make the same shape.



What pattern blocks
could you use to finish
this puzzle?



Describe and Match Shapes



Let's build shapes that match.

Warm
up

How Many Do You See?

How many do you see?

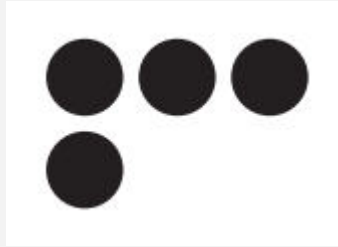


How do you see them?

Warm
up

How Many Do You See?

How many do you see?

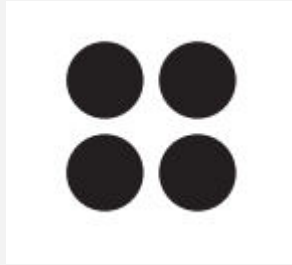


How do you see them?

Warm
up

How Many Do You See?

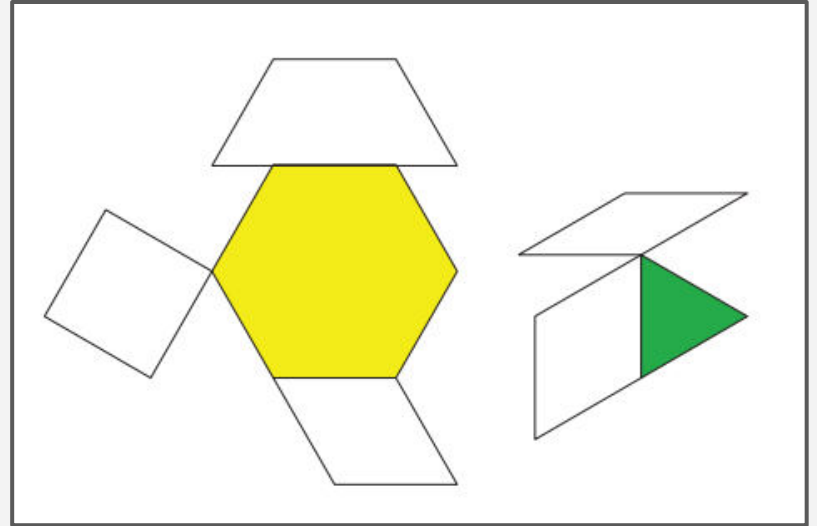
How many do you see?



How do you see them?

Where are the Pattern Blocks?

- Color the shape that is above the yellow hexagon blue.
- Color the shape that is next to the triangle red.
- Color the shape that is below the yellow hexagon orange.
- Color the shape that is beside the yellow hexagon purple.
- Draw a new shape below the green triangle.



Introduce Match Mine, Pattern Blocks

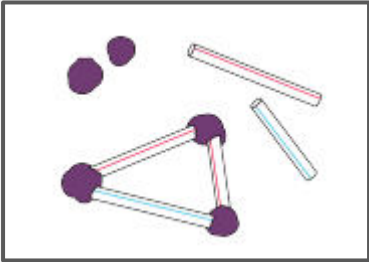


- We are going to learn a new center called Match Mine. In this center, one person builds a shape using 5 pattern blocks.
- Then they describe the shape to their partner and their partner tries to make the same shape.
- Let's practice describing a shape together.
- How could we describe where the square is in this shape?
- How could we describe where the triangle is?
- Remember to use positional words that will help your partner put each pattern block in the right place.
- When your partner is done making the shape, check to see if they match." "If you have time, you can switch roles and play again.

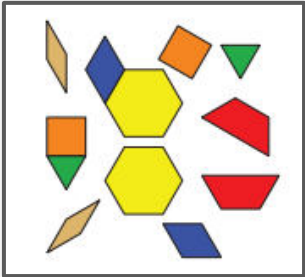
Centers: Choice Time



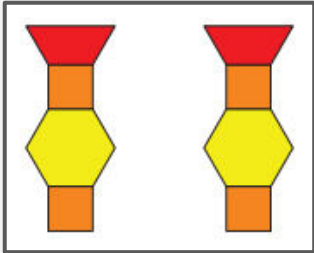
Geoblocks
Match Mine



Build Shapes



Pattern Blocks



Today we described how we put pattern blocks together to make larger shapes.

What are some of the words we used to help us describe where the pattern blocks were in the larger shape?



Shapes in Art



Let's find shapes in art and use shapes to make our own art.

Notice and Wonder: Shapes in Art

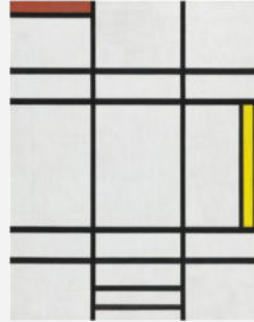
What do you notice?

What do you wonder?



Find Shapes in Art

- We have been putting pattern blocks together to form larger shapes in lots of different ways.
- Now we are going to look at 5 different pieces of art.
- Each piece comes from a different part of the world.
- Talk to your partner about how the artists used shapes in their artwork.



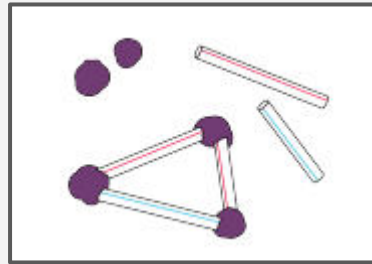
Make Art with Shapes

- In Activity 1, we noticed that artists use shapes in different ways to create art. Some artists make patterns and designs. Some put shapes together to form people or animals.
- Now you are going to make your own piece of artwork using shapes. You can use any of these materials.
- Think about how you can draw or put shapes together to make larger shapes

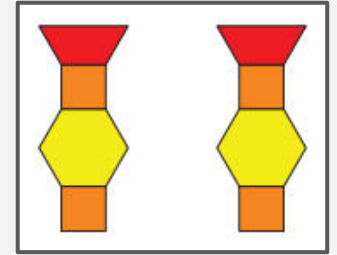
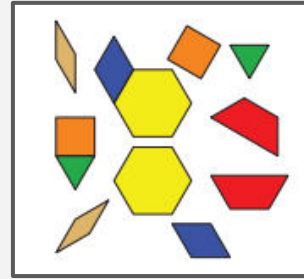
Centers: Choice Time



Geoblocks
Match Mine



Build Shapes



Pattern Blocks

Today we learned that one place we can see shapes is in art.

Tell your partner where else you see shapes in the world.



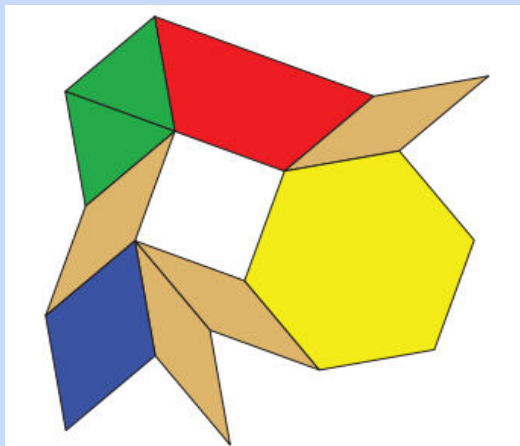


Section Summary



In this section we put shapes together to make bigger shapes.

We learned that the same shape can look different when it is moved around.



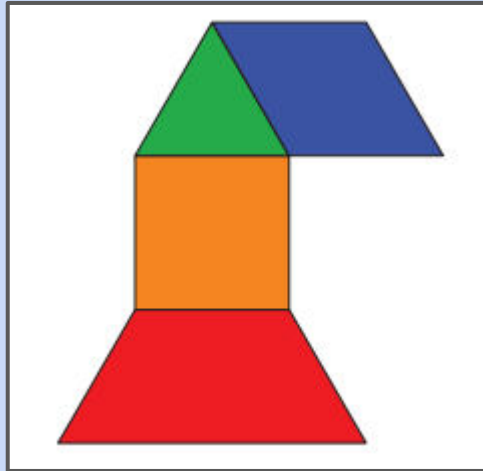
The shape that is missing is the square but it looks different because it is turned. This helped us to fill in shapes that were needed to finish pattern block puzzles.



Section Summary



We also used words like above, below, and next to to describe where the pattern blocks were in a shape.



The square is above the red shape.

Draw Images



Let's figure out how many things to draw.

Warm
up

Notice and Wonder: Animals at the Watering Hole

**What do
you notice?**



**What do you
wonder?**

Animal Print Making

- Use the shape stamps to create an animal.
- You will use these stamps to make an animal. I am going to make a cat. What shapes should I use?
- If I want to make a circle for the cat's head, which stamp should I use?
- Take turns using the shape stamps with your group. You only need a little bit of paint for each stamp.

Mathematical Questions About Our Animals

- What questions could we ask about this animal?
- We are going to ask each other questions about the shapes we used in our animal pictures. What mathematical questions could we ask?
- As you walk around to see the animals that your classmates made, ask them at least 2 questions

Today we used shapes to create animals.



Which of these animals do you think would be easiest to make with shapes? Why? Which animal would be the hardest to make?



Which shapes would you use to make an elephant?