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NCTM Annual Meeting
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geometry shapes
describe compose recognize
identify language
analyze
attributes
Identify and describe shapes. Analyze, compare, create, and compose shapes.

Reason with shapes and their attributes.

K

1st/2nd
In each figure below, outline a square. The squares must not be the same size.
Find and color the shapes.
LET’S PLAY....

I, SPY a Shape!

I Spy…

Indiana War Memorial Plaza Museum

Source: FunCityFinder.com
I Spy...

Source: gettyimages®
I Spy...

Source: Shelby Materials
• Describe this shape.

• How is that shape like this one? How is it different?

• What shape is this? What makes it a _______? Why isn’t it a ______?

• Where have you seen this shape before?

• What shapes could you make out of these shapes?

• Have you found all the ways to put those shapes together? How do you know?
6 Triangle Problem

- Using 6 pattern block triangles, how many different shapes can you make?
- Sides must touch completely.
The Greedy Triangle
Shape Shifter
Shape Shifter Task

• With a partner, find all the different shapes possible with the shape shifter.
• Trace every new shape on construction paper.
Shape Shifter Task

• Join with another partnership at your table to compare results. Together, cut out one of every different shape you have found.

• As you work, identify strategies that you use identifying possible shapes. When you think you have found them all, come up with an explanation that tells how you went about finding shapes so that none were left out.
Vocabulary
Sentence Frames

• Choose among your collection of shapes and practice the following sentence frames to help young students the geometrical ideas:
  ➢ A ______ has ______.
  ➢ It has ______.
  ➢ A ______ has ______, ______, and ______.
  ➢ My shape has ______, ______, and ______.
  ➢ It looks like a ______.

• Create your own sentence frames!
Shape Sorting

Triangles

Quadrilaterals

Pentagons

Hexagons
Shape Shifter Extension

Same          or          Different
Shape Shifter Extension
If we teach today as we taught yesterday, we rob our children of tomorrow.

John Dewey