

Guess Who? Geometry Style! for Second Grade

Math Learning Goals:

- Recognize and describe the attributes of different shapes: circle, oval, pentagon, hexagon, square, rectangle, cube, sphere

Materials Needed:

- Guess Who? Geometry Style! Board – 1 per student
- Paper clips, poker chips, or paper scraps – something to mark off shapes as they are ruled out – about 14 per student
- Optional - Guess Who? Geometry Style! Activity Sheet

Activity:

The students will be put into pairs for this activity. Each student needs a game board and either paper clips or poker chips to mark off shapes. The rules of the game are similar to regular ‘guess who’ except they will be finding shapes instead of people.

Game rules:

Each player secretly chooses one of the shapes on the board. The other player tries to guess the shape. The students alternate asking questions about each other’s shape, and can only ask one question per turn.

Questions must pertain to geometry and must be answered either “yes” or “no”. For example, “Does your shape have four sides?” Or, “Does it have more than three angles?”

Questions will rule out options on the game board. The student can cover up shapes with a paper clip, poker chip or scrap of paper when the question helps to rule them out. For example, if the answer to “Does your shape have four sides?” is “No”, the student will cover up all the shapes that have four sides.

The students should play through this game multiple times to make sure they understand and can identify each shape. After each game, the students need to make sure they pick a new shape.

Written assessment option – If your students are writers, students may fill out the activity sheet for some of the game rounds.

TN Math Standards:

Geometry:

Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.

Your Name: _____

Guess Who? Geometry Style!

Draw your shape	Write a question that was asked about your shape, and your answer:
Example	Does your shape have four sides? Answer: ___ No ___
	Answer: _____
	Answer: _____
	Answer: _____



Guess Who? Geometry Style!

Guess Who Activity

TN Math Standards:
Geometry

Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.

Activity

The students will be put into pairs for this activity. Each student needs a game board and either a dry erase marker or a paper to cover up the board. The rules of the game are similar to regular 'guess who' except they will be finding shapes instead of people.

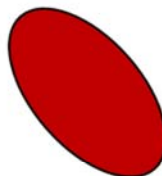
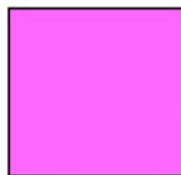
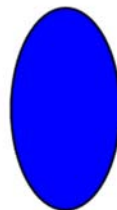
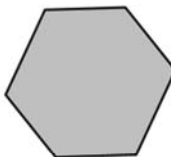
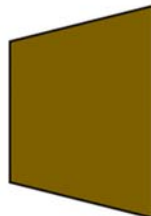
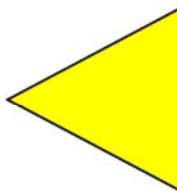
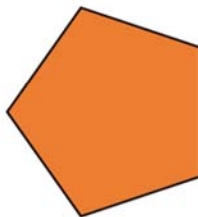
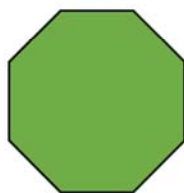
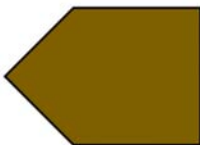
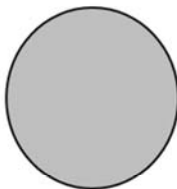
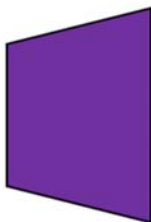
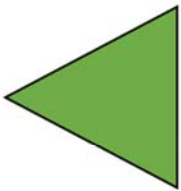
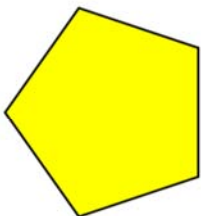
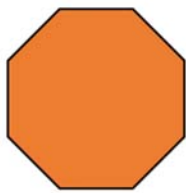
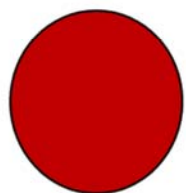
(If you are not familiar with the game, here are the rules. Each player will be given one of the shapes on the board, the other person playing with them will try to guess the shape. They can only ask one question per turn).

The students can only use questions that pertain to geometry. For example, "Does your shape have four sides?" Or "Does it have more than three angles?"

The students should play through this game multiple times to make sure they understand and can identify each shape. After each game, the students need to make sure they pick a new shape.

Adapted by Virginia Parkman, Kelly Sturner, and Suzanne Lenhart








Guess Who?



My Polygon Riddle

Materials: geoboards, rubberbands, My Polygon Riddle recording sheet, index cards

1. Make three different polygons on your geoboard.
2. Choose one of the polygons you made and draw it on the recording sheet. Make a flap with an index card to cover your drawing.
3. Write four clues to describe the polygon.
4. Try your polygon riddle on a friend. After your friend gives an answer lift the flap to show if the answer is correct.

Word Bank									
equal	sides	angles	vertices	square		rectangle		triangle	
pentagon		hexagon		octagon		trapezoid			

My Polygon Riddle

My polygon has _____.

My polygon has _____.

My polygon is not _____.

My polygon _____.

My polygon is a ...

