
Geometry - Sample Lesson Plan

Grade: 1
Topic: Shapes
Subtopic: Sorting Shapes
Duration: 60 minutes

Specific Objectives: *By the end of the lesson, students should be able to*

- Sort shapes according to their attributes
- Work in cooperative groups

Prerequisite Knowledge

Identifying shapes, sorting, identifying colours.

Materials: attribute blocks, cards with shapes of various colours and sizes drawn on them, cartridge paper, glue

Content Summary:

Attributes are characteristics that are used to describe an object. Objects can be described and sorted according to their attributes such as colour, size, and geometric shape.

Engage:

Four pairs of students will be selected and each pair will be given an object/geometric shape (for example: a drawing of a triangle, a ball, an attribute block...). The teacher will have each group tell a story about their object/shape which should include a detailed description of the object or shape (*for example – this is a yellow triangle. This triangle has three sides – two of the sides are short while the other is long. This triangle is big.*)

To save time, the selected students will be given the task and instructed to prepare their stories before the lesson begins.

Explore and Explain:

- Students will work in groups of three. Each group will be given a set of attribute blocks. They will be asked to create various groupings by sorting the attribute blocks. The teacher will walk around to supervise the groups and listen to their discussions.
- Each group will populate the *Shape Sorting Worksheet* (give students more than one worksheet if needed) with their findings.
- Groups will share their findings with the class and justify their groupings. Other Groups will comment on each presentation, highlighting the similarities and differences between the ways the attribute blocks were sorted when compared to theirs.

Elaborate/Extend:

Provide students with copies of the Guess My Rule worksheet. Have them observe the featured shapes and suggest the attribute(s) that was/were used to form the group. Then have students draw a shape, in the box provided that *does not* fit the rule.

A sample of the Guess My Rule is attached. The teacher will prepare and distribute several versions of the activity.

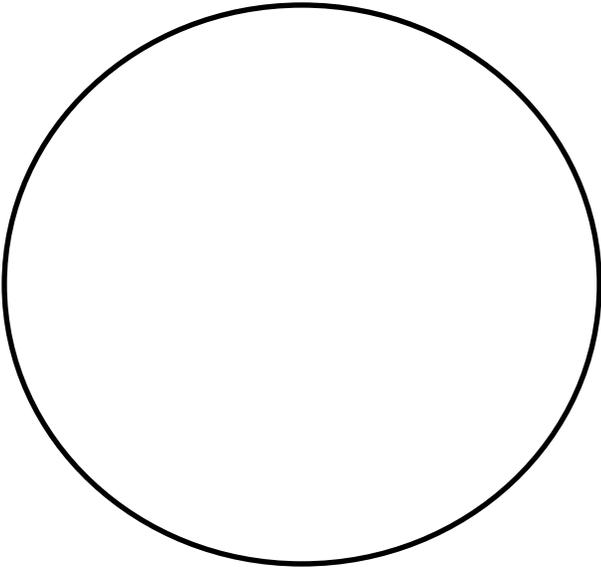
Students will then be given a blank *Guess My Rule* worksheet which they will populate using their own shapes.

Evaluate:

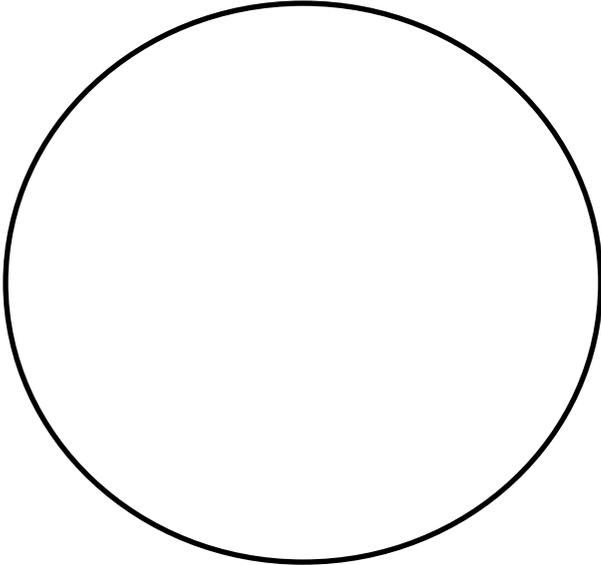
Students will be given a set of 10 cards - each containing a geometric shape. The shapes will be of various colours and sizes. Students will also be given glue stick and cartridge paper (*a larger version of the Shape Sorting Worksheet*). Students will be asked to sort the cards and then to glue them onto the cartridge paper. Students will label each group of shapes and will state their Rules.

Evaluation:

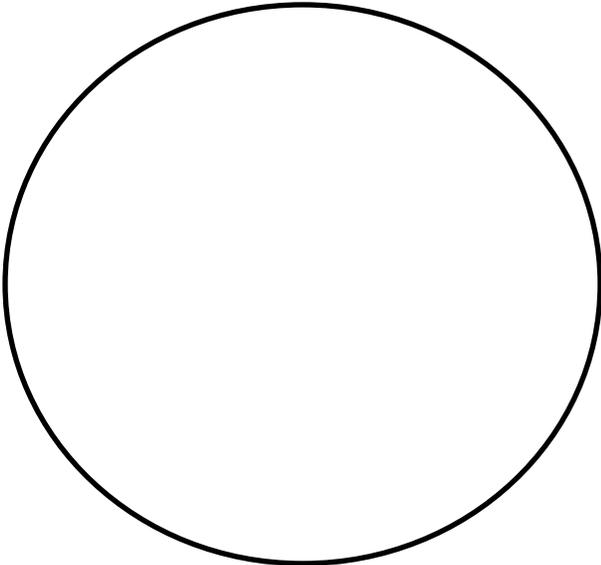
Shape Sorting Worksheet



Group 1



Group 2



Group 3

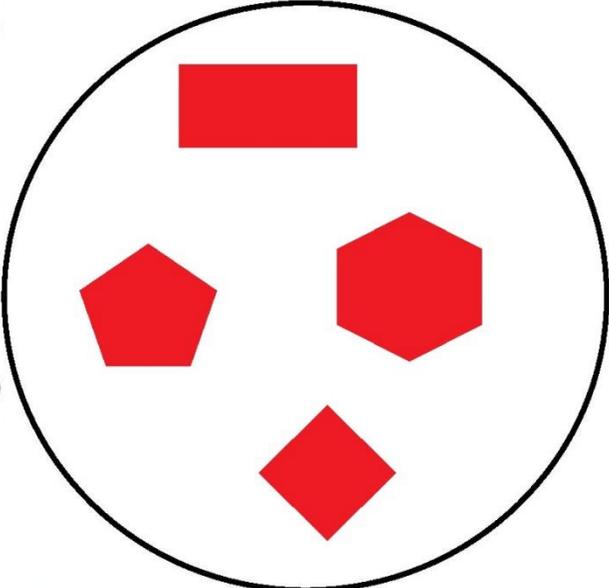
Sample item: Guess My rule!

Name _____

GUESS my RULE!

MY Rule

Draw a shape in the box that does not follow your rule.



a brantley

Guess My Rule – Blank template

The pdf version can be downloaded at

https://drive.google.com/file/d/0B_mieVEhjKG5NTZmZjY5NTAtNzI3NC00YmY5LWFhNTQtZmZjNjVjMjExNzhl/view

Name _____

GUESS my RULE!

My Rule

Draw a shape in the box that does not follow your rule.

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