

Read About Classifying Objects by Attribute (Color, Shape, & Size)

WHAT IS CLASSIFYING?

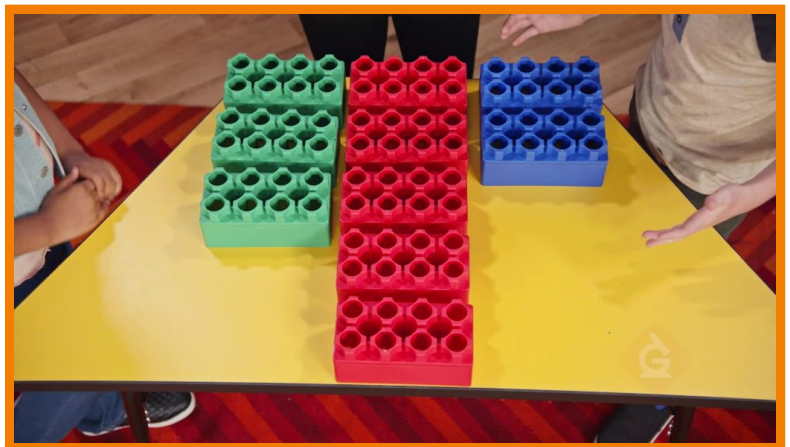
You can classify objects and shapes into categories, or groups. You can count the number of objects or shapes in each category. You can compare the number of items in each category.

To better understand classifying objects by attributes...

LET'S BREAK IT DOWN!

Classify blocks by color.

You can sort blocks by color. There are 3 green blocks. There are 5 red blocks. There are 2 blue blocks. There are the most red blocks. There are the fewest blue blocks.



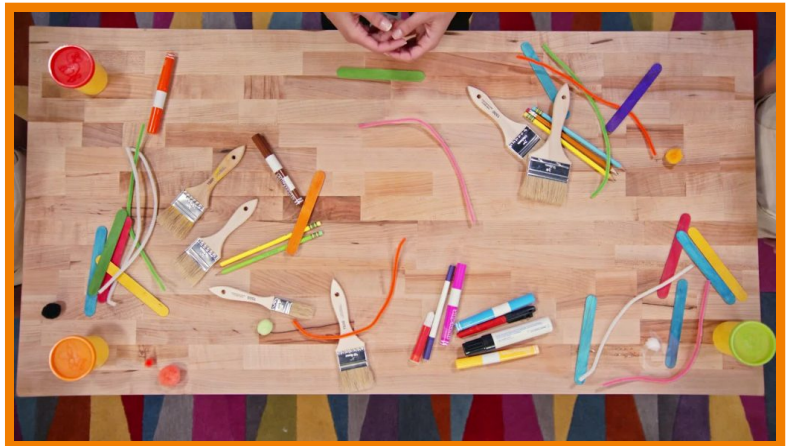
Classify teddy bears by size.

You can sort bears by size. There are 4 big bears. There are 11 small bears. 11 is greater than 4. There are more small bears.



Classify art supplies by type.

You have a pile of art supplies. You can sort them by type. There are 10 markers. There are 5 pencils. There are 6 paintbrushes. There are the greatest number of markers. There are the least number of pencils.



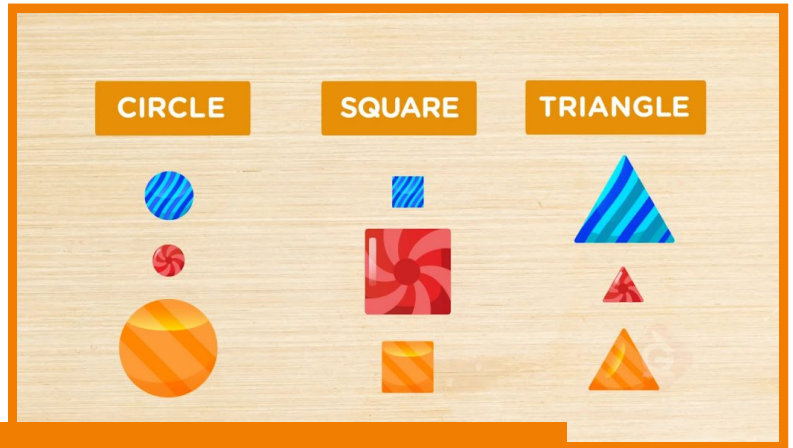
Classify groups in different ways.

You have a pile of candy. Some pieces are big. Some pieces are small. You could sort them by size. The candy pieces are different colors. You could sort them by color. You can sort objects in different ways.



Classify candy by shape.

You can also sort the candy by shape. Some candy are shaped like squares. Some are shaped like circles. The rest of shaped like triangles.



CLASSIFY OBJECTS BY ATTRIBUTE (COLOR, SIZE, & SHAPE) VOCABULARY

Classify

To put in groups based on one or more attributes.

Attributes

Things we can notice about objects such as size, color, or shape.

Size

How big or small something is.

2D Shape

A shape that is flat.

Big

Large in size.

Small

Little in size.

CLASSIFY OBJECTS BY ATTRIBUTE (COLOR, SIZE, & SHAPE) DISCUSSION QUESTIONS

[Display 6 to 10 objects that are clearly blue or clearly not blue.] How can you classify these objects into the groups Blue and Not Blue?

The students identify the blue objects and put them in one group. They put all other objects in a separate group.

[Display a group of 4 pens and 3 crayons, randomly arranged.] How can you classify this group into pens and crayons? How many are in each group?

4 pens in one group, 3 crayons in the other group.

[Display a group of rectangles of different sizes, shapes, and colors, and 1 circle.] What shape does not belong in this group? Why?

All of the shapes are rectangles except the circle. The circle does not belong in the group.

[Display a group of shapes, including triangles, rectangles, and circles all of different sizes, colors, and types, such as equilateral triangles, right triangles, isosceles triangles, scalene triangles. Pull out 3 triangles to form a group.] What other shapes in the big pile belong in this group? What is the rule for this group?

The group is all triangles. The other triangles belong in the group.

[Display 3 small red objects, 2 large red objects, 1 small blue object, and 3 large blue objects, randomly arranged.]

- a. Classify the objects by color. Are there more red objects or more blue objects?**
- b. Classify the objects by size.**

a. There are 5 red objects. There are 4 blue objects. There are more red objects than blue objects.

b. There are 4 small objects. There are 5 large objects. There are more large objects than small objects.
