
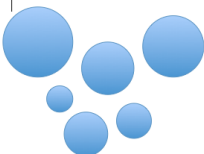
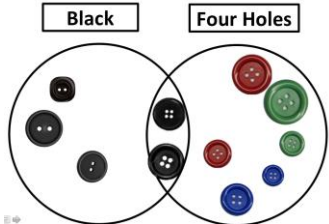


## Classify and Sort Data

<p><b>Overarching Student Learning Goals</b></p> <p>In this unit, your child will work to build an understanding of the following:</p>	<p><b>Resources/Tasks to support your child at home.</b></p>
<p><b>Use attributes (color, shapes, size, vertices, sides) to classify objects</b></p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Objects that are gray</p>  </div> <div style="text-align: center;"> <p>Objects shaped like a circle</p>  </div> </div>	<ul style="list-style-type: none"> <li>• Provide a set of household objects and ask your child to sort the objects into 2 (or more) groups. Guess which attribute your child used to sort the objects. Switch roles. Have your child guess how you sorted the objects.</li> <li>• Show your child two sets of objects sorted by one attribute (color, shape, etc.). Have your child identify how the sets were sorted.</li> <li>• Provide your child with a variety of buttons (no more than 10 total buttons) and have them sort the buttons into categories and identify how they classified each category.</li> </ul>
<p><b>Classify objects using more than one attribute.</b></p> <div style="display: flex; align-items: flex-start;"> <div style="text-align: center; margin-right: 20px;">  </div> <div> <p>These buttons were sorted by number of holes and color. The shapes in the middle share both attributes.</p> </div> </div> <p>Five buttons are black and eight buttons have four holes. Two buttons are black with two holes.</p>	<ul style="list-style-type: none"> <li>• Ask your child questions such as, “Which group has the most objects? How do you know? Which group has the least? How do you know?”</li> <li>• <a href="http://goo.gl/NF3ATo">http://goo.gl/NF3ATo</a> This interactive site allows your child to select the attribute to sort by and then has them use a Venn diagram to sort. Once they’ve sorted their shapes by attribute, have them count and compare the number in each set.</li> </ul>

For more information on the learning goals and your child’s progress, please contact your child’s teacher.

### Sort and classify objects based on attributes

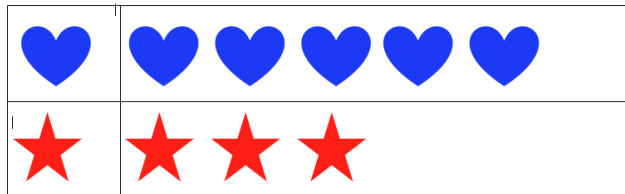
Example: Students will sort objects based on attributes. In the example below one student sorted by color. The other sorted by type of shell.



- <http://goo.gl/NF3ATo> This interactive site allows your child to select the attribute to sort by and then has them use a Venn diagram to sort.
- <https://goo.gl/v2gJVZ> This interactive site allows your child to sort and describe objects by shape.
- <https://goo.gl/A1aV66> This interactive site allows your child to sort and describe objects by color.
- <https://goo.gl/IPDLpd> This interactive site allows your child to sort and describe objects by size.

### Count and Compare the number of objects in each category

Example: How many hearts are shown? How many stars? Are there more stars or hearts? How do you know?



- Ask questions based on a graph such as:
  - “How many \_\_\_\_?”
  - “Which set is greater?”
- Using colored cereal (such as Fruit Loops) or fruit snacks have your child sort the snacks by color. Encourage them to line them up similar to how the hearts and stars are lined up in the example. Ask questions about which color has the most? Which color has the least?

For more information on the learning goals and your child’s progress, please contact your child’s teacher.