

Got a Problem?

Episode 3: Pie Charts on a Trash Sort

Adams Elementary School

Data Sheet

1. Watch the video and record the weight and gallons of each item in the chart below:

Classroom Trash

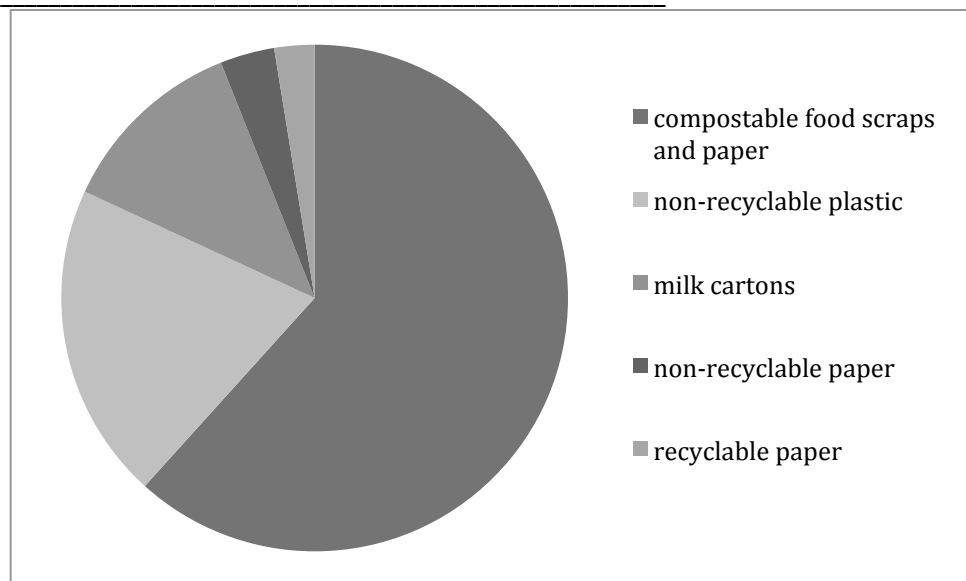
Station	Compostable Food Scraps and Paper	Non-Recyclable Plastic	Milk Cartons	Non-Recyclable Paper	Recyclable Paper	Total
Weight in pounds	pounds	pounds	pounds	pounds	pounds	pounds
Volume in gallons	gallons	gallons	gallons	gallons	gallons	gallons

2. Figure and record the **totals** in each row above.

Making Measurements Meaningful through Charts and Graphs

3. Figure out which units are being shown in the pie chart below and indicate that in the title you give the graph.
 - a. Choose a color for each of the pie pieces and color both the pie piece and the correct box on the legend.
 - b. Figure out the percentage of each of the boxes and write that percentage inside each pie piece.

Title: _____



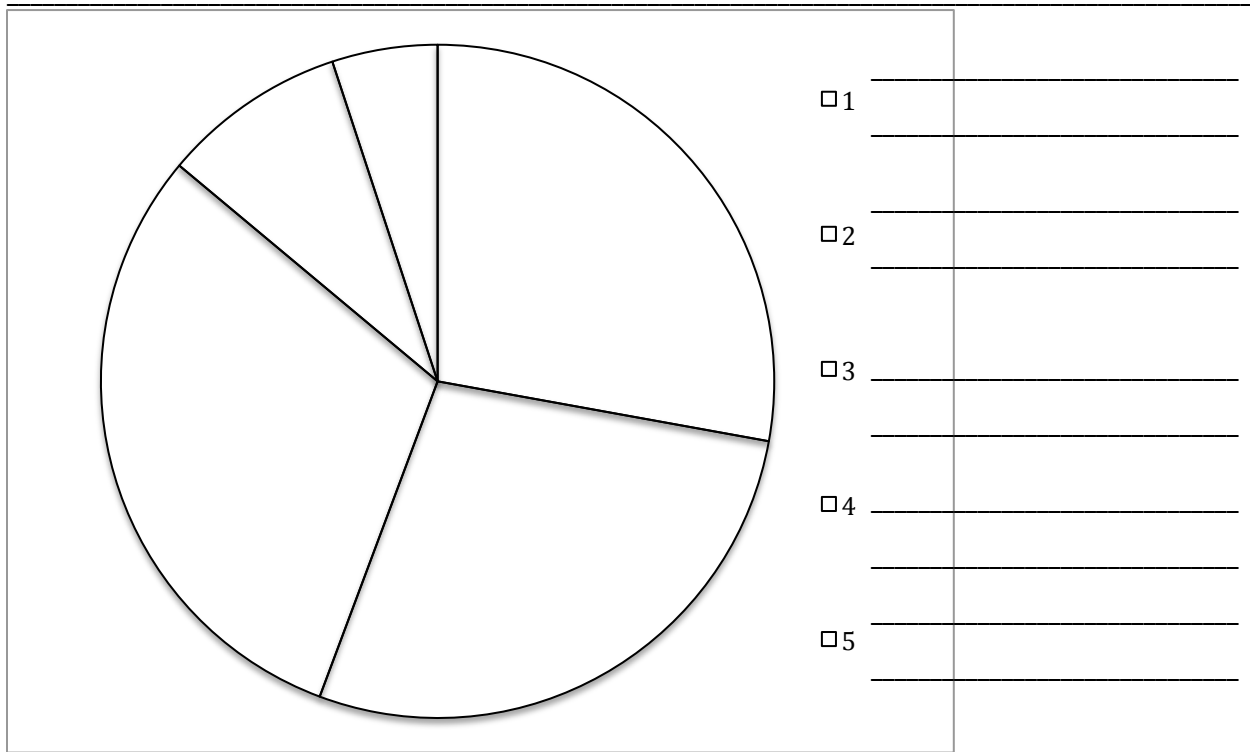
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4. Using the pie chart on the other side as a model, create
 - a. an appropriate title
 - b. a legend for the pie slices
 - c. a coloring scheme that helps make sense of the pie chart
 - d. percentage numbers in each of the pie slices below:

Title: _____



Use the pie charts you have created to help you answer these questions:

5. By far the heaviest part of our classroom trash is _____

6. Most schools that don't recycle paper have trashcans FULL of paper. At Adams, the recyclable paper and non recyclable paper make up less than (circle the most accurate fraction) $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$ of the volume of the classroom trash.
7. Based on the volume chart, make two recommended changes that classrooms could make when choosing how to deal with their trash:
 - a. _____

 - b. _____
