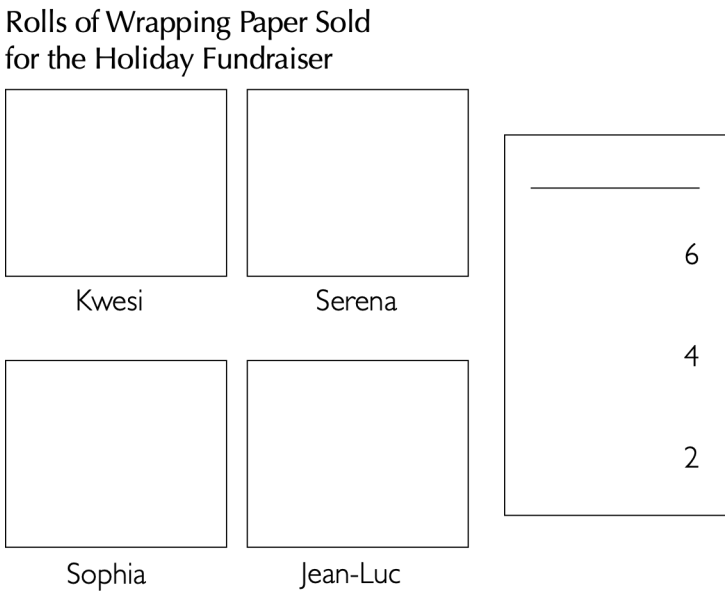
Chapter 4: Size and area

1. Use the data set below to make and compare two different types of visualizations.

Rolls of Wrapping Paper Sold For the Holiday Fundraiser	
Person	Rolls Sold
Ousmane	5
Marina	6
Sophia	2
Jean-Luc	3

   a. Use a shape of your choice to show how many rolls of wrapping paper each person sold for the holiday fundraiser. Use the same shape in different sizes for every person.



   b. Fill in the legend to show what each size means.
   c. Use the same data to make a bar chart.

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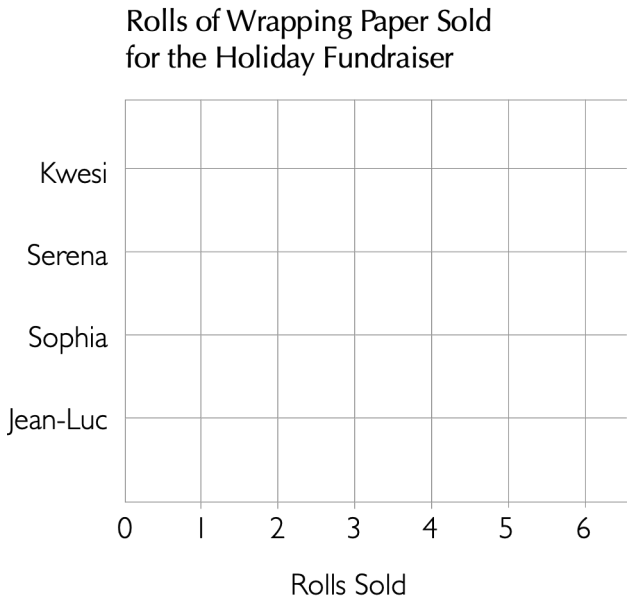

d. Which visualization do you like better? Which do you think would be easier for someone else to understand?

2. Imagine that you've counted up the words in one of your favorite stories and made a data set. Use the data set and the measuring tools below to make a word cloud of the data.

Word	Count
dark	10
creaky	9
doors	8
quiet	7
squeak	6
jump	5
fog	4
giggle	4
crumple	3

a. The rectangles below are different heights, and there is a small number in the top corner of each one. Trace the rectangles onto your own piece of paper, and then fill them in with the words in the table so that the

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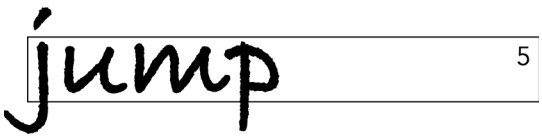
number on the rectangle matches the number in the table. Like this:



b. Cut out the words, and arrange them into a word cloud. You can either take a picture of what you make, or glue the words onto another sheet of paper.
c. What do you think the story is about by looking at the word cloud?

10	6
9	5
	4
8	
	4
7	
	3

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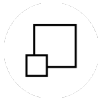

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