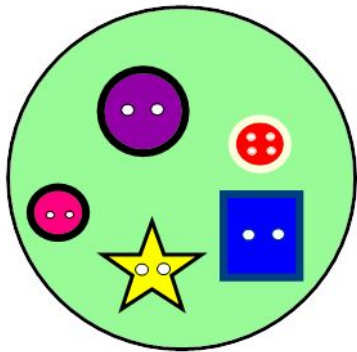


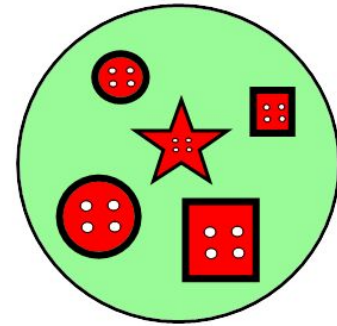
Data Management and Probability Review

Sorting Data

When we sort, we sort by attributes. Attributes are the characteristic or property of an object such as: **colour**, **shape**, **size**, **thickness**, or **direction**.



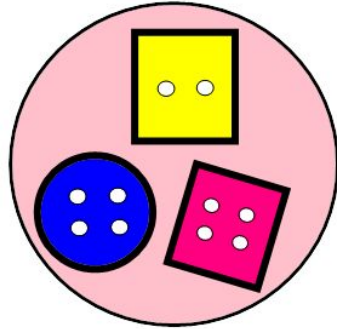
Sorting rule:
Buttons with 2 holes



Sorting rule:
Red buttons with 4 holes

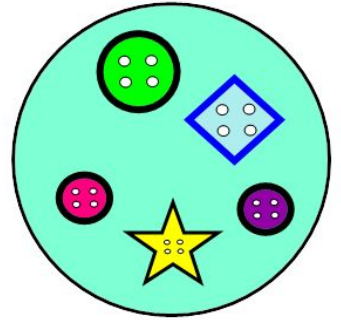
My sorting rule is

_____ .



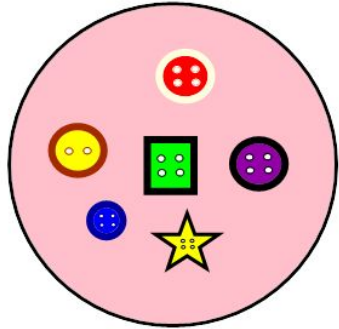
My sorting rule is

_____ .



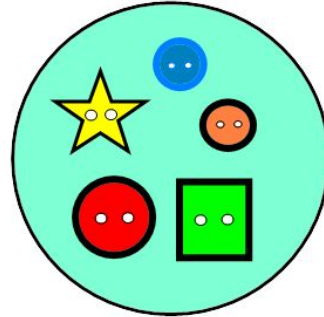
My sorting rule is

_____ .

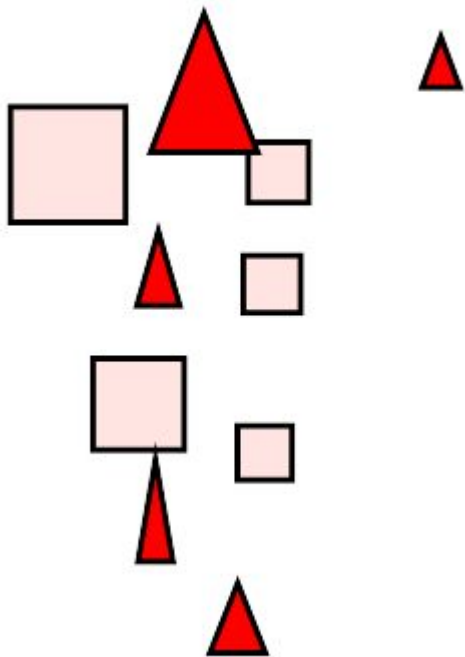


My sorting rule is

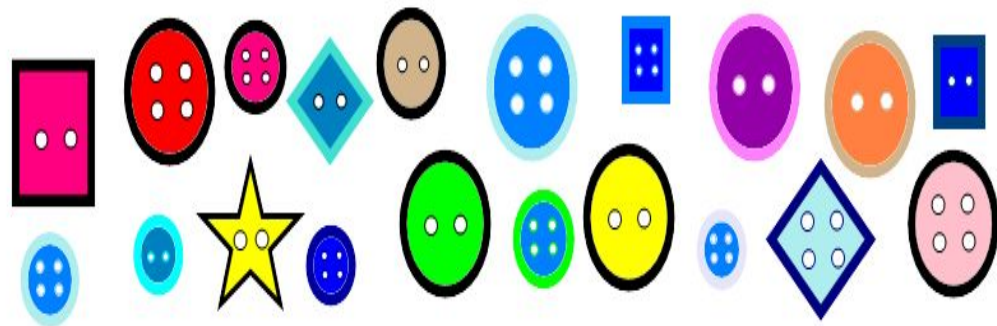
_____ .



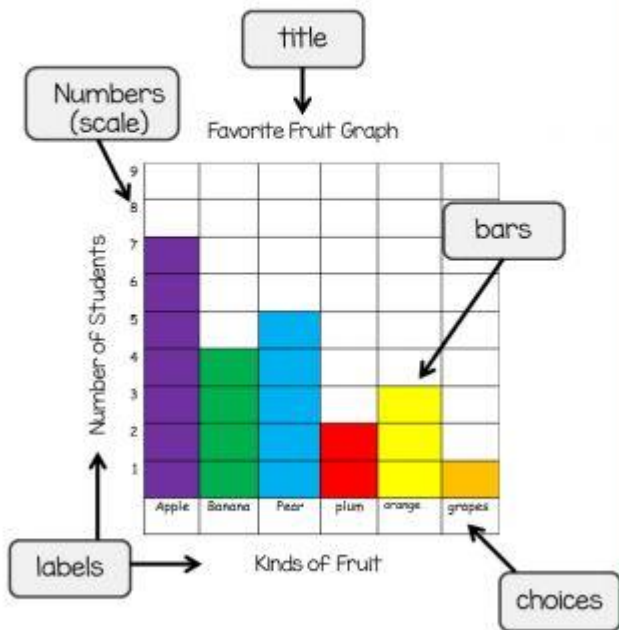
What attributes would you use to sort these objects?



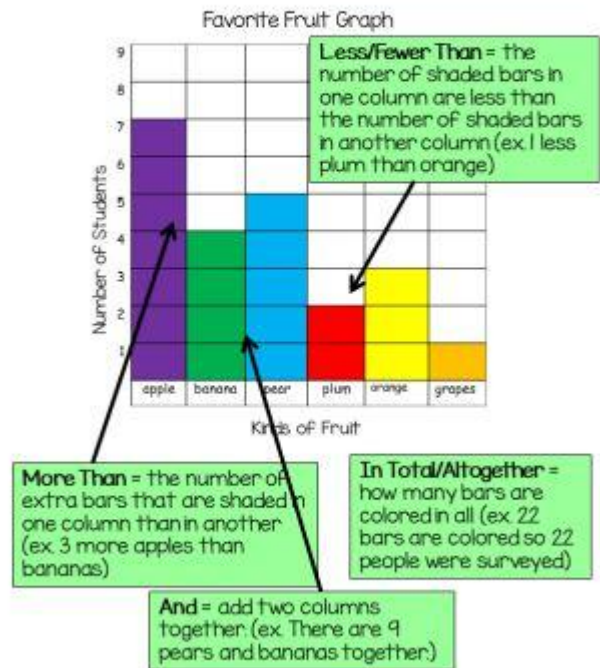
What attributes would you use to sort these objects?



Parts of a Graph

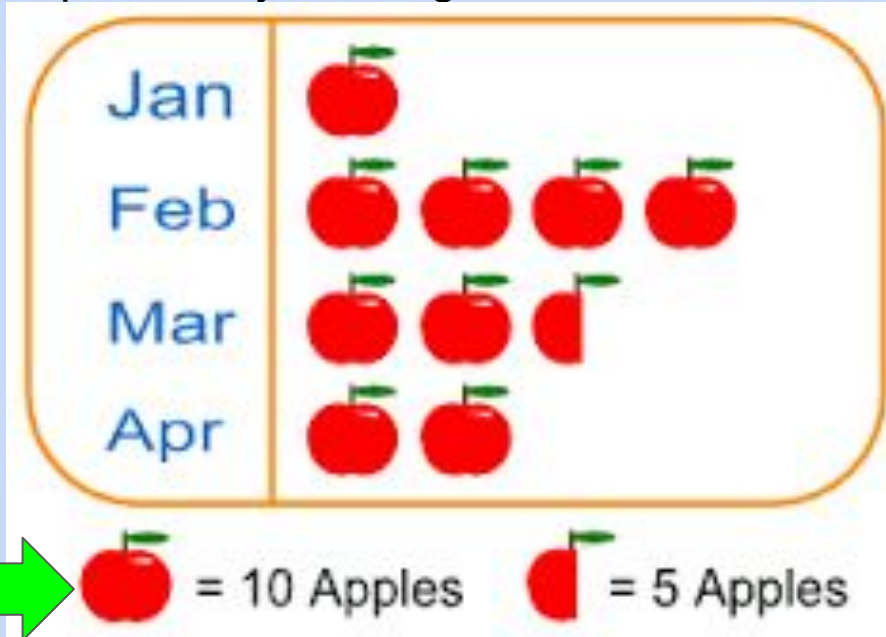


Making Observations About a Graph



Pictographs

Pictographs use pictures to represent the data. There is sometimes a “key” when the amount of people surveyed is high.



This is the **key**. It tells you the value of each picture.

Pictures used, match the topic of the graph. What do you think this graph is about?

Making a Tally Chart

Name: _____

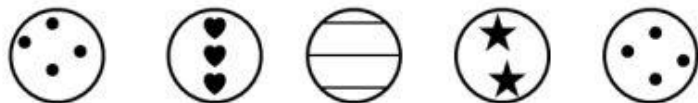
A tally chart helps you when you are collecting and organizing data. You count the number of objects with a certain attribute and represent the objects with a tally mark (a line).

/// = 3

When you reach the number 5 (or any multiple of 5), you need to draw the line horizontally across the other lines.

//// = 5

Make a tally chart to show how many balls have spots, stripes, stars or hearts.



Pattern	Tally	Total
SPOTS		
STRIPES		
STARS		
HEARTS		



Making a Graph From Your Tally Chart

Name: _____

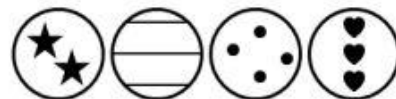
Use the tally chart on the previous page to create a graph about the patterns on the balls. Don't forget to put your numbers on the side (starting with 1 at the bottom and working up). Also be sure to add 3 titles (one on top, one on the side for the numbers, and one along the bottom that describes the choices (in this case, maybe PATTERNS)).



LOOKING AT THE GRAPH

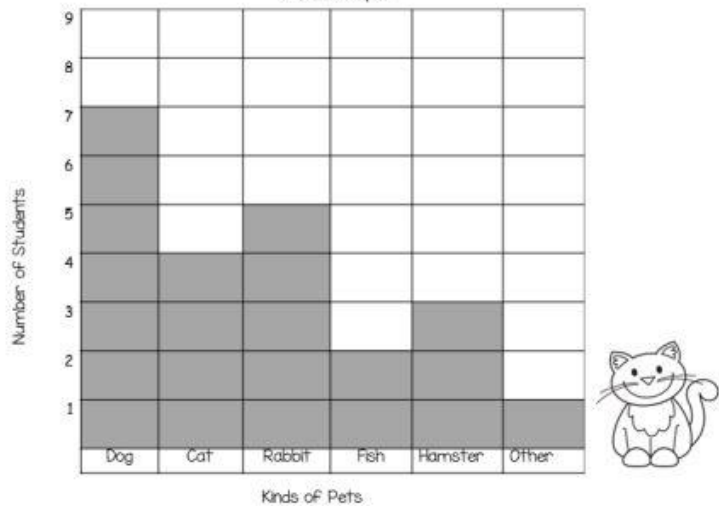
Are there more star pattern balls or more stripe pattern balls?

How many balls are there altogether?



Reading a Bar Graph

Pets Graph Name: _____



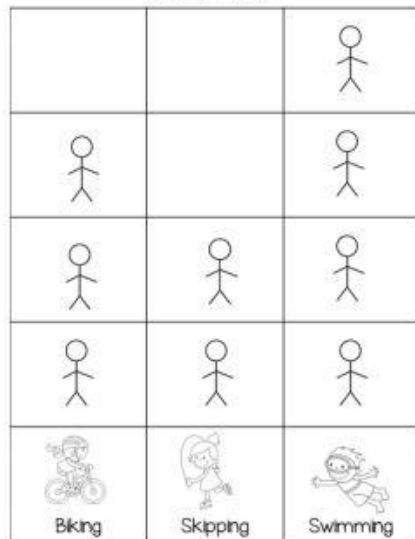
- What is the students' **least** favorite pet? _____
- How many students said that a hamster is their favorite pet? _____
- How many **more** students liked dogs **than** rabbits? _____
- How many **more** students liked hamsters **than** fish? _____
- How many students were surveyed **altogether**? _____
- What are two labels on this graph? 1) _____
- 2) _____

Tell me something you know (an observation) about the class' favorite pets.

Reading a Pictograph - Activities

Name: _____

Activities



The class was surveyed to find out which activities they liked the best. Read the pictograph to answer the questions below. Be sure to look at the key!



KEY

1 stick figure = 2 votes

- How many students like biking best? _____
- How many students like skipping best? _____
- How many students like swimming best? _____
- How many students were surveyed? _____
- How many **more** students like swimming than skipping? _____

TALLY, GRAPH AND THINK!

- Record the weather for 14 days in a row. (Google the last 14 days from the Weather Network!) Mark it down on the tally chart. (Remember that tally marks go in bundles of 5)
- After the 14 days, take your data and fill in the bar graph.
- Once your bar graph is done, think about the data and answer the following questions and come up with 2 of your own conclusions. .
- Tally chart and bar graph are on the next slide.

Graphing Questions

1. What was the weather that happened the most? _____
2. What was the weather that happened the least? _____

Graphing Conclusions (more than, less than, etc...)

1. _____
2. _____

Tally Chart - Record a tally mark for 14 days in a row.

Weather	Tally
Sunny	
Partly Cloudy	
Cloudy	
Windy	
Raining	
Snowy	

Title: _____

16						
15						
14						
13						
12						
11						
10						
9						
8						
7						
6						
5						
4						
3						
2						
1						
	Sunny 	Partly Cloudy 	Cloudy 	Windy 	Rainy 	Snowy 

Don't forget your FACTS!

**practice skip counting by 25's this week

$\begin{array}{r} 44 \\ +35 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ +68 \\ \hline \end{array}$
$\begin{array}{r} 86 \\ +27 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ +53 \\ \hline \end{array}$

$\begin{array}{r} 38 \\ -15 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ -37 \\ \hline \end{array}$
$\begin{array}{r} 75 \\ -35 \\ \hline \end{array}$	$\begin{array}{r} 84 \\ -69 \\ \hline \end{array}$

$8 \times 5 =$	$3 \times 7 =$
$6 \times 4 =$	$8 \times 8 =$

$28 \div 4 =$	$18 \div 6 =$
$25 \div 5 =$	$36 \div 4 =$