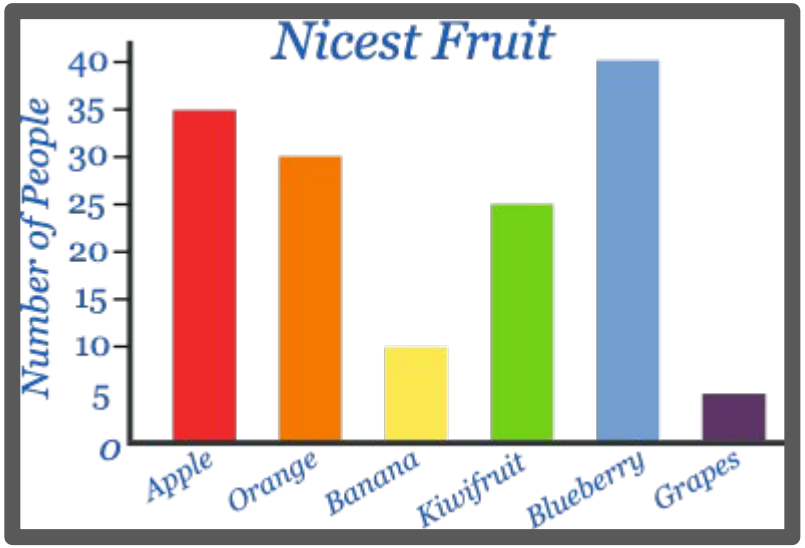
Data Literacy

February 7

Is it DAY-DA or DAT-A?

Types of graph


Nicest Fruit
Number of People
40
35
30
25
20
15
10
5
0
Apple
Orange
Banana
Kiwifruit
Blueberry
Grapes

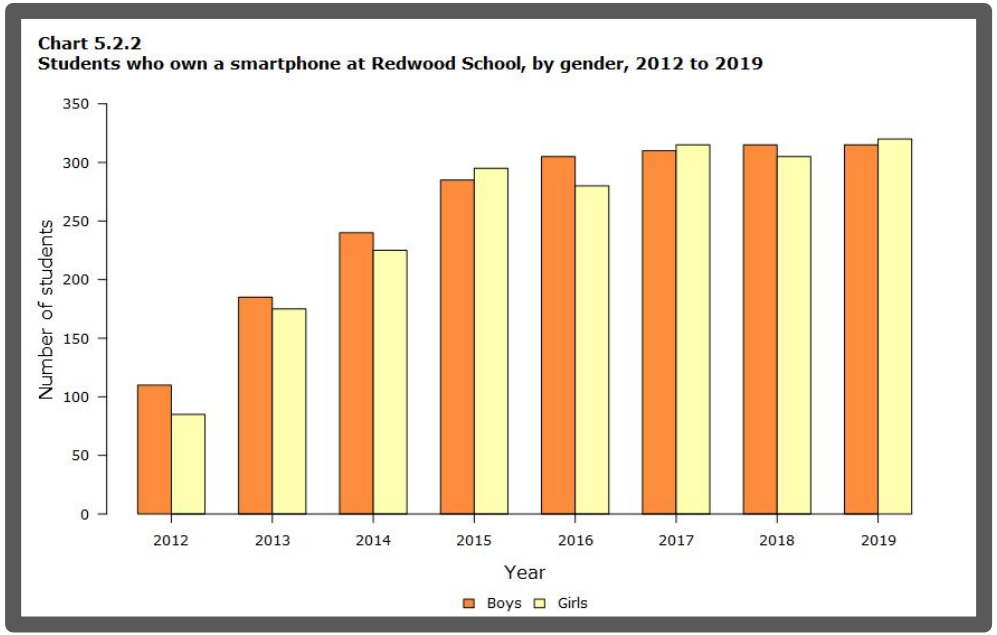
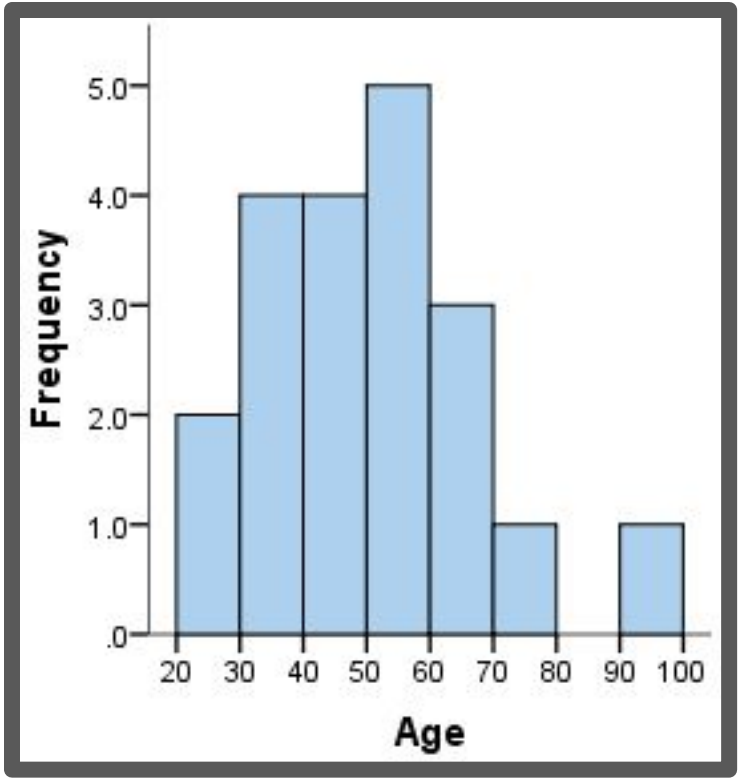
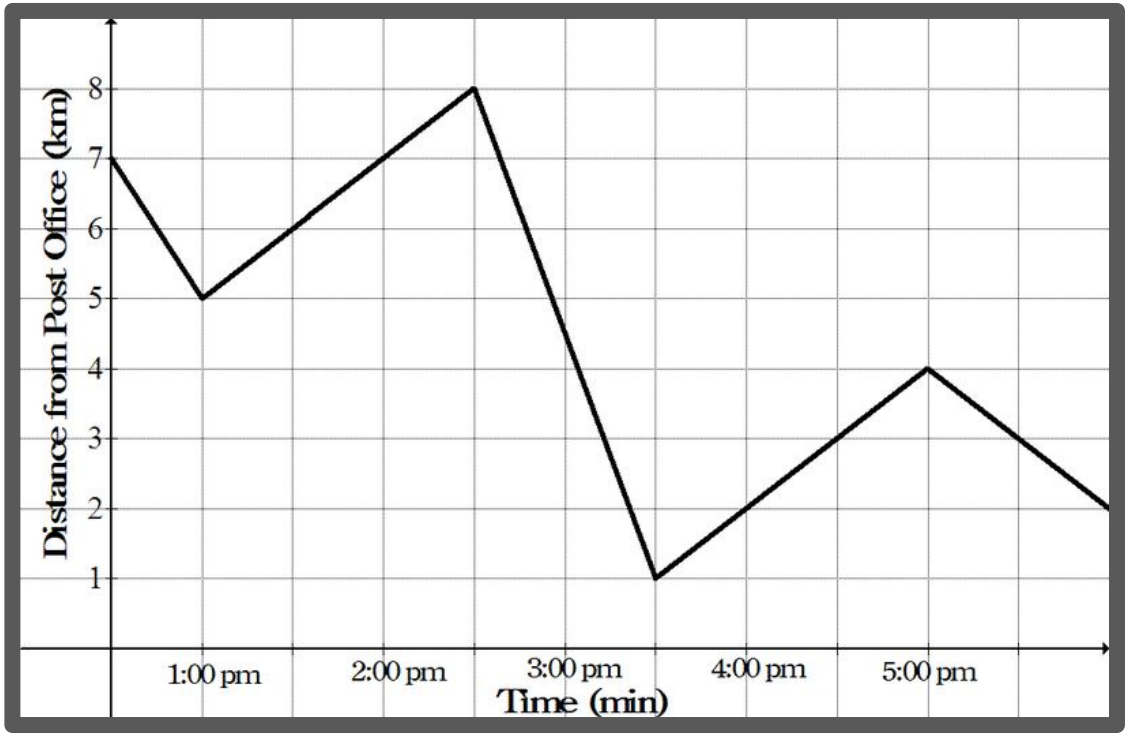
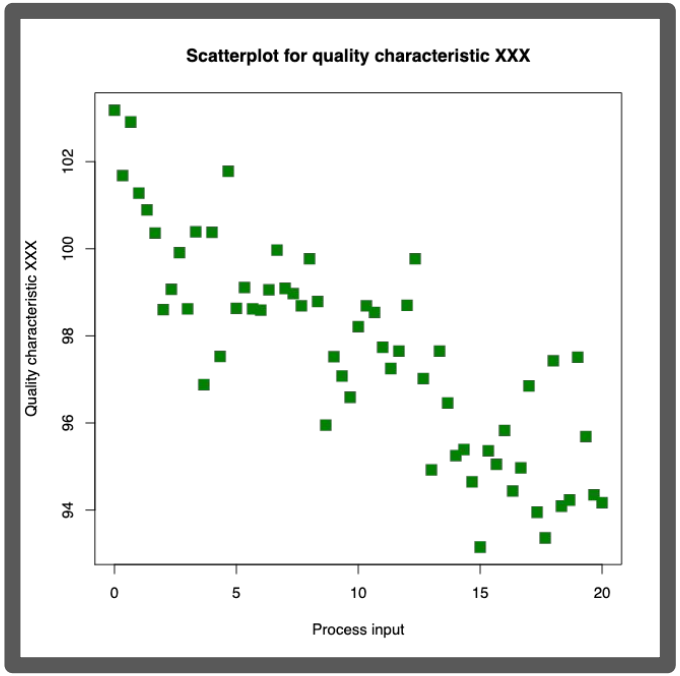
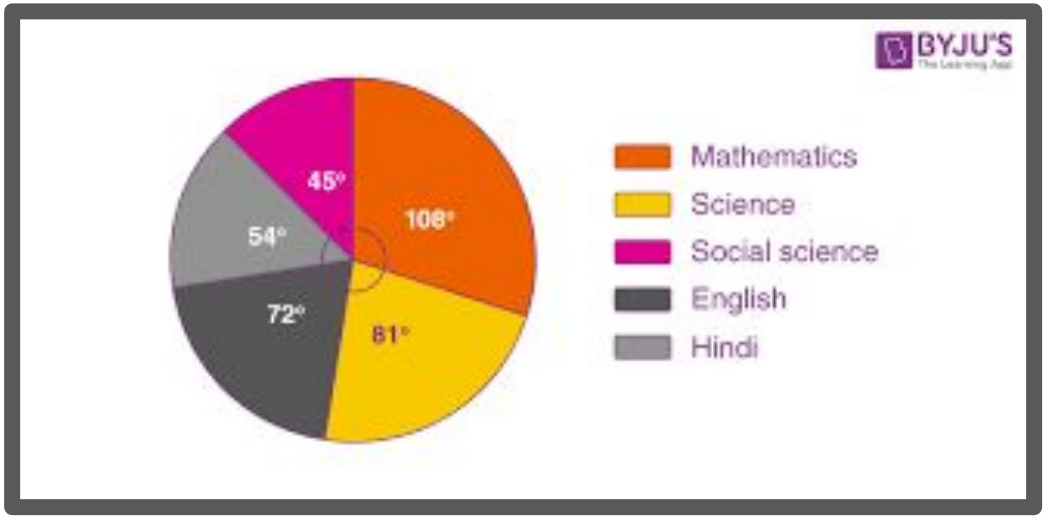


Chart 5.2.2
Students who own a smartphone at Redwood School, by gender, 2012 to 2019
Number of students
350
300
250
200
150
100
50
0
2012
2013
2014
2015
2016
2017
2018
2019
Year
Boys
Girls


Frequency
5.0
4.0
3.0
2.0
1.0
.0
20
30
40
50
60
70
80
90
100
Age


Distance from Post Office (km)
8
7
6
5
4
3
2
1
1:00 pm
2:00 pm
3:00 pm
4:00 pm
5:00 pm
Time (min)

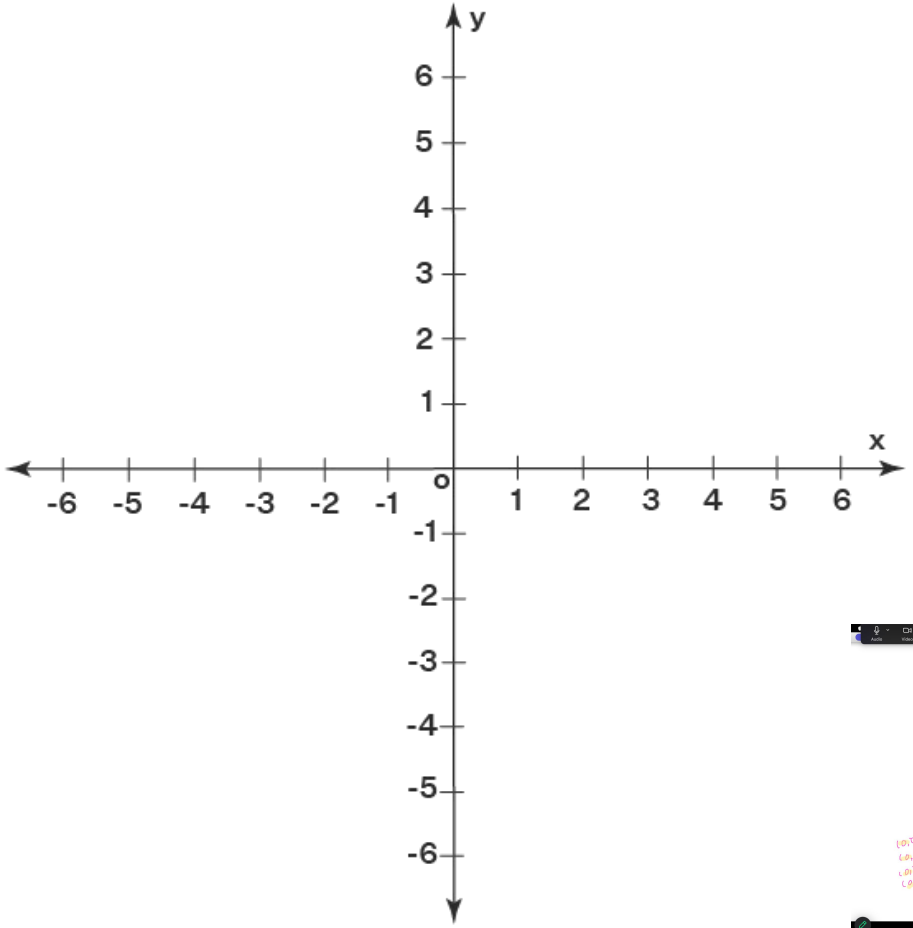

Scatterplot for quality characteristic XXX
Quality characteristic XXX
94
96
98
100
102
0
5
10
15
20
Process input

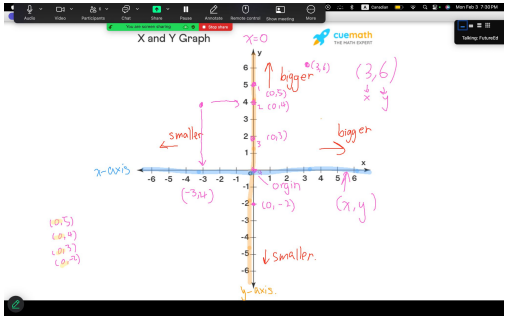

BYJU'S
45°
108°
54°
72°
81°
Mathematics
Science
Social science
English
Hindi

X axis & Y axis

X and Y Graph

cuemath
THE MATH EXPERT

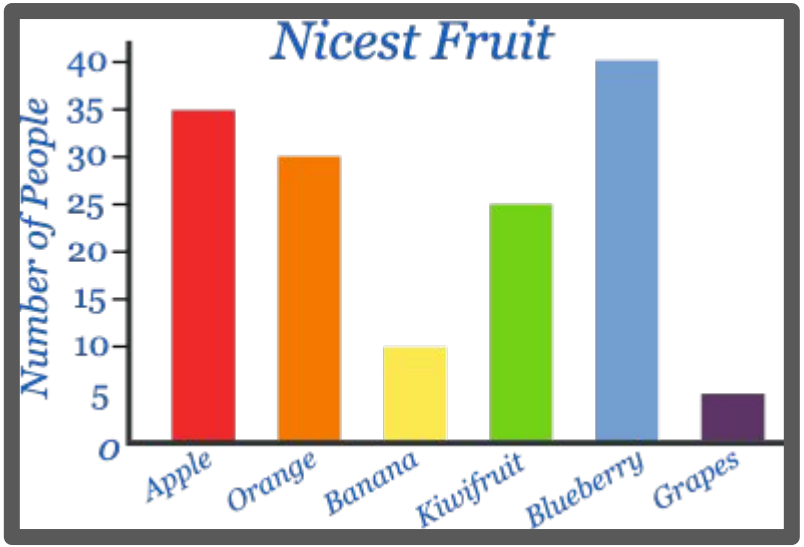




Features of Graphs

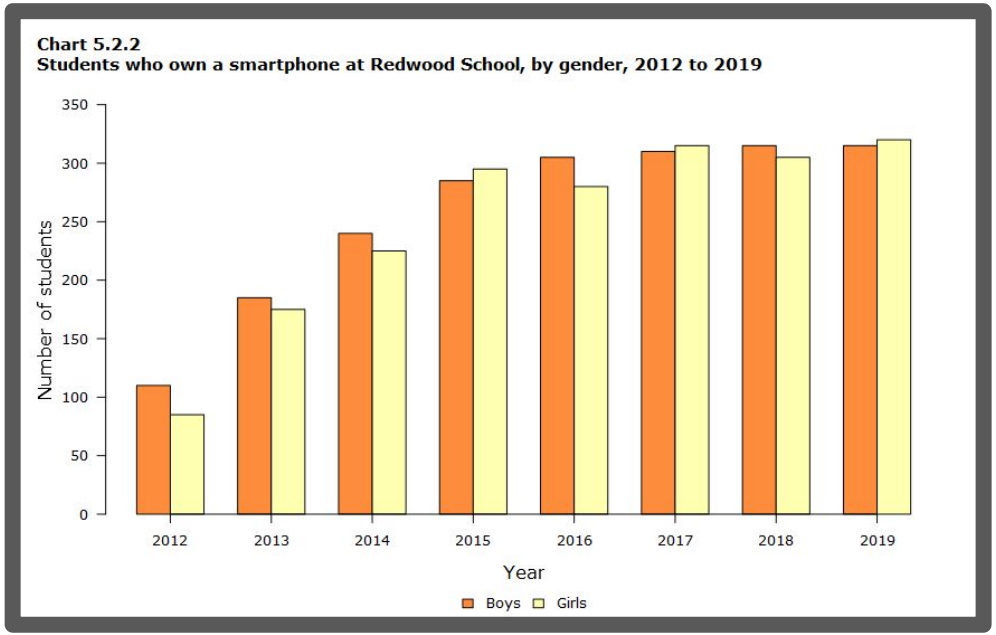
- Title
- Y-axis (scale) and x axis
- There's labels
- There's spaces between the bars
- **Quantitative(numbers) compare Qualitative(senses)**

Bar Graph



- Title
- Y-axis (scale) and x axis
- There's labels
- There's spaces between the bars
- **Quantitative(numbers) compare Qualitative(senses)**
- Legend (tells what does each color bar represents)
- You are comparing 2 types of qualitative data to 1 quantitative data

Double Bar Graph



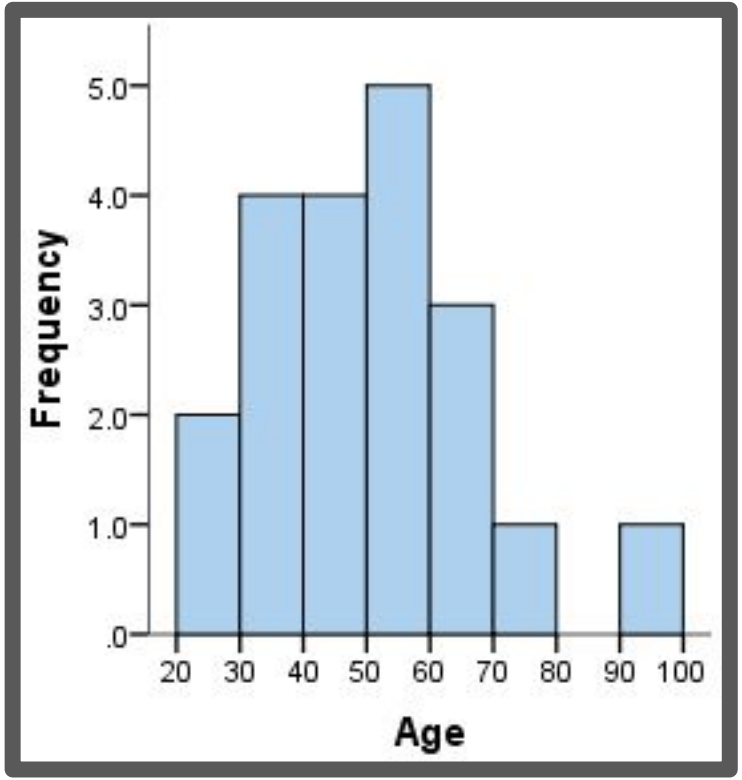
Histogram

- Tittle
- No space
- Comparing 2 quantitative data (both numbers)

Bar graph vs Histogram (when is it more appropriate to use one) :

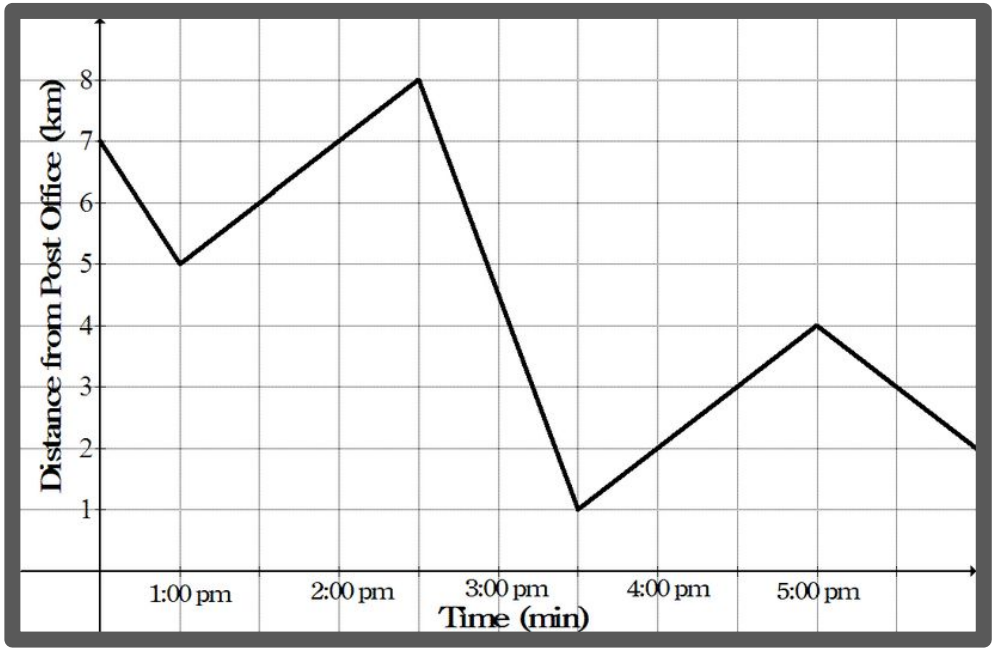
Bar graph compares quantitative with qualitative

Histogram compares 2 quantitative data

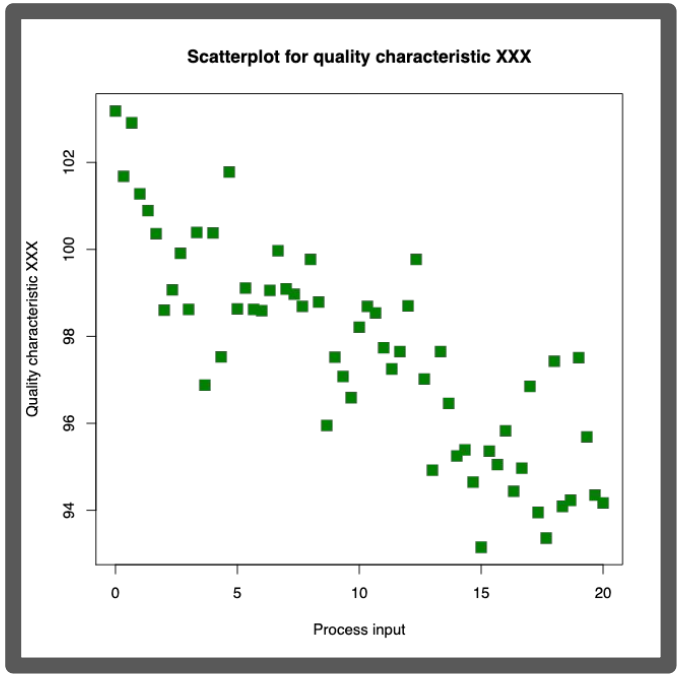


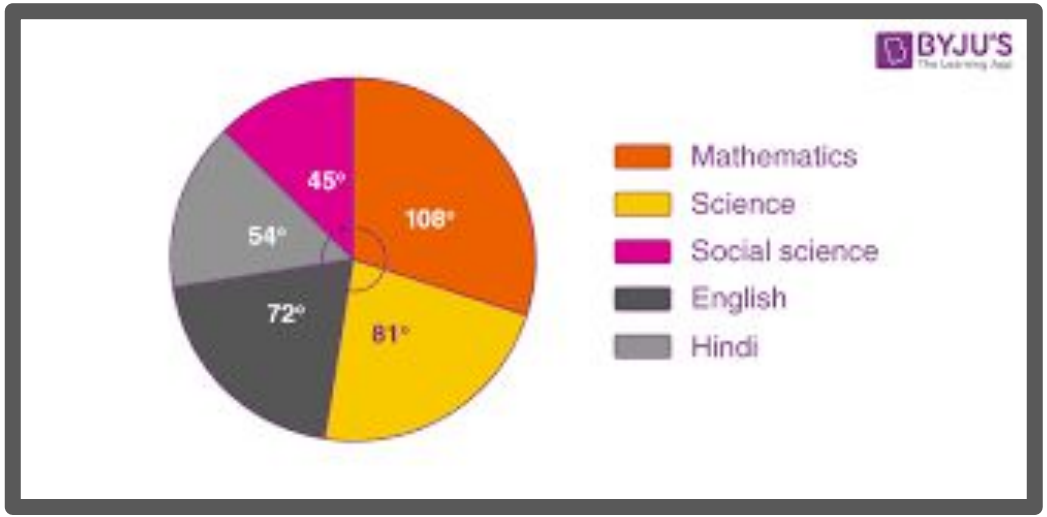
- Tittle
- Comparing 2 quantitative data (both numbers)
- It compares something that's happening over time
- As something increases/ decreases _____ happens

Broken Line Graph



Scatter Plot





Pie Chart

- It is shaped in a circle
- There’s a legend (to show what this data represent)
- Use pie chart when working with percentage.

Reading Pie Graphs

A sports radio station asked local listeners for their favorite baseball team. Answer the questions based on the pie graph below.

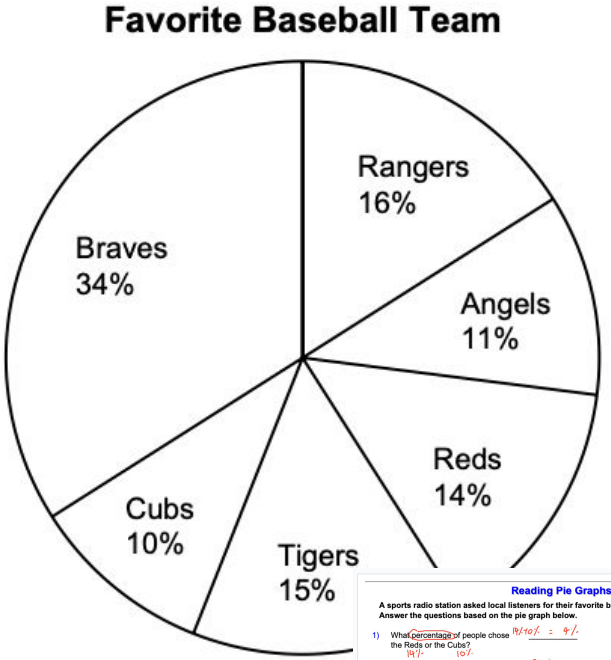
1) What percentage of people chose the Reds or the Cubs? _____

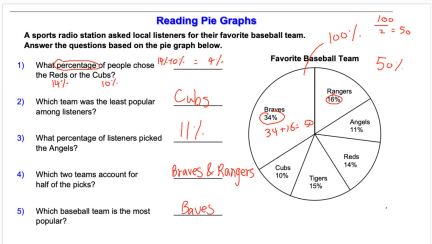
2) Which team was the least popular among listeners? _____

3) What percentage of listeners picked the Angels? _____

4) Which two teams account for half of the picks? _____

5) Which baseball team is the most popular? _____



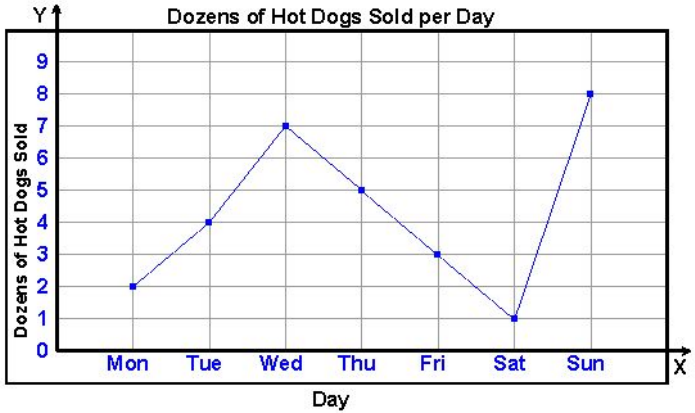


Name : _____ Score : _____

Teacher : _____ Date : _____

Single Line Graph Comprehension

Graph the given information as a line graph.



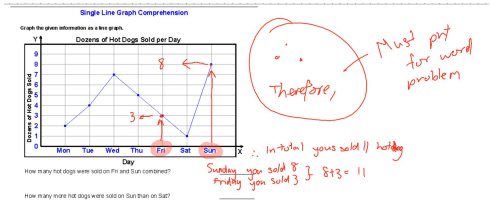
How many hot dogs were sold on Fri and Sun combined? _____

How many more hot dogs were sold on Sun than on Sat? _____

How many hot dogs were sold on Mon, Wed, and Thu? _____

Next week, twice the number of hot dogs were sold than this week. _____
How many hot dogs were sold the following week?

Were more hot dogs sold on Mon or on Thu? _____

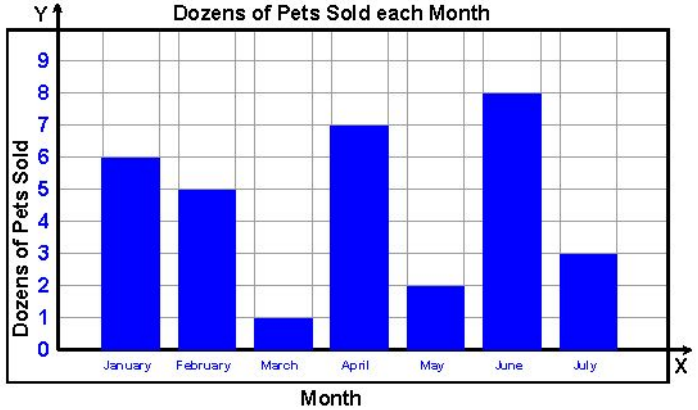


Name : _____ Score : _____

Teacher : _____ Date : _____

Reading Bar Graphs

Answer the following questions based off the bar graph.



How many pets were sold in July and April combined? _____

How many more pets were sold in June than in March? _____

How many pets were sold in March, January, and June? _____

In August, twice the number of pets were sold than in May. How many pets were sold in August? _____

Were more pets sold in January or in April? _____