

# Drawing Graphs

February 10th

# Independent variable vs Dependant variable

## Independent Variable

Independent - When this variable can stand alone

Rainfall(mm) vs time(hours)

Because time does not get influenced by rainfall

Think: \_\_\_\_\_per \_\_\_\_independant\_\_\_\_

## Dependant Variable

Dependent - replying on something

Rainfall(mm) vs time(hours)

Think: \_\_dependant\_\_ per \_\_\_\_\_

8. Zack wants to determine if the amount of time spent on social media has an effect on anxiety levels.

IV:

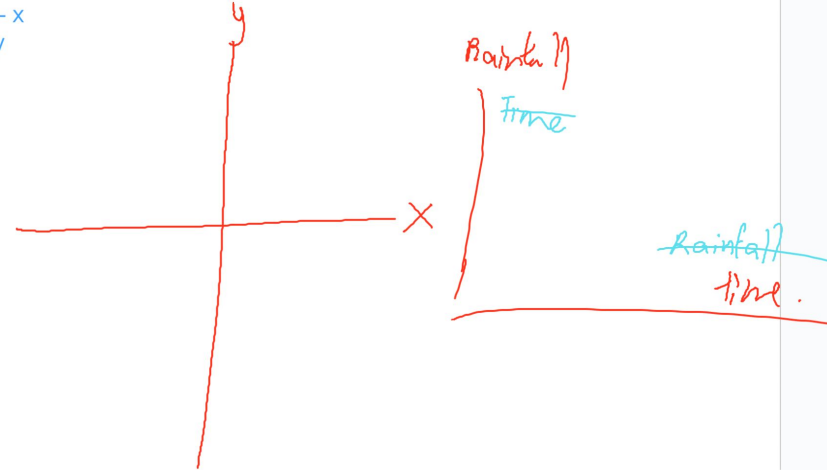
DV:

The screenshot shows a Google Slides presentation titled "Drawing Graphs". The main slide contains the following text and handwritten notes:

- 8. Zack wants to determine if the amount of time spent on social media has an effect on anxiety levels.
- IV: Anxiety level (handwritten: *Anxiety level dependent*)
- DV: Time (handwritten: *Time independent*)

Below the text, there is a small coordinate system with a vertical y-axis and a horizontal x-axis. The y-axis is labeled "Anxiety level" and the x-axis is labeled "Time". Handwritten notes indicate that the y-axis is the dependent variable (DV) and the x-axis is the independent variable (IV).

Independent - x  
dependent - y



Cupid wants to make a graph to see the percentage of people he shot today. There's the data he collected

When making a graph you want to think of:

1. What type of graph is appropriate for the situation
2. Percentage → Pie chart
- 3.

Age	# of people
1-10	3
11-20	60
21-30	53
31-40	24

$$\frac{3}{140} = \frac{7}{360}$$

360° - Total amount  
ALL together

$$3 \times 360 = 1080$$

$$1080 = 140x$$

$$\frac{1080}{140} = x$$

$$x \approx 7.7143$$

$$360^\circ = 140$$

$$\frac{3}{140} = \frac{7.7143}{360}$$

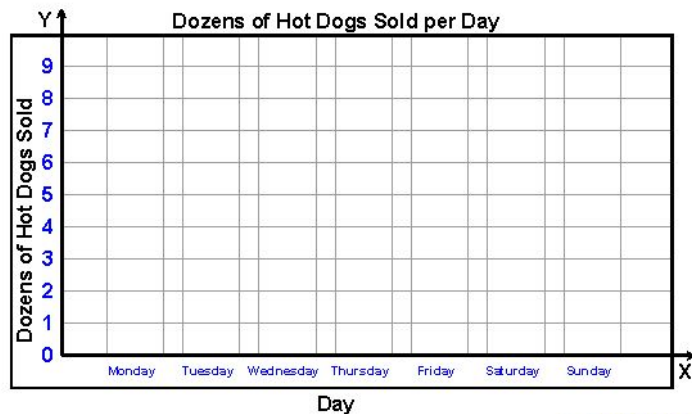
Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

### Drawing Bar Graphs

Graph the given information as a bar graph.

Day	# of Hot Dogs Sold
Monday	84
Tuesday	60
Wednesday	12
Thursday	72
Friday	36
Saturday	48
Sunday	24



# Make a graph of rain(cm) vs time

Time (p.m)	Rain (cm)
2:30	3
3:00	60
3:30	53
4:00	24