

Graphs

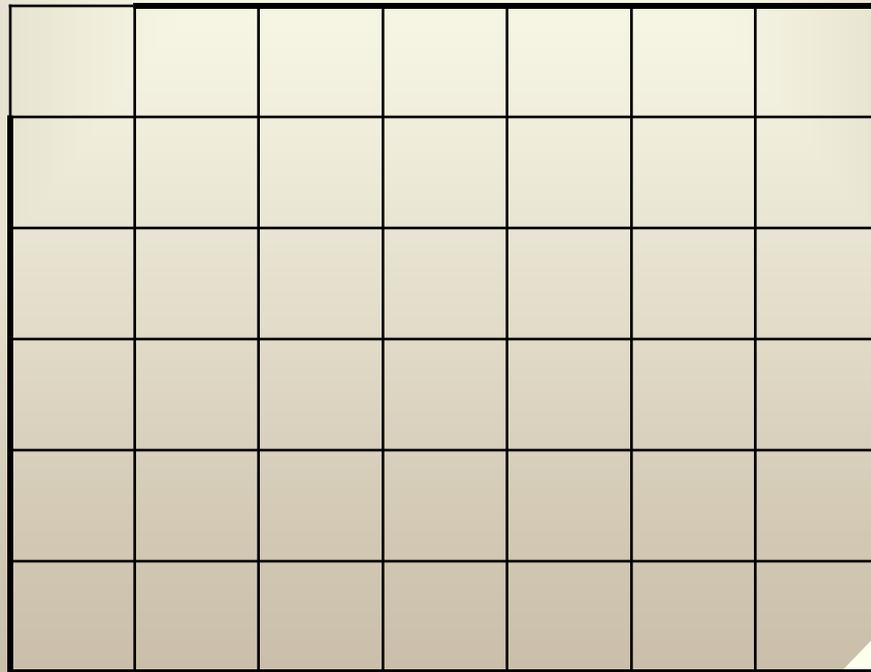
0011 0010 1010 1101 0001 0100 1011

How to set up successful graphs
in Ms. Baker's class!



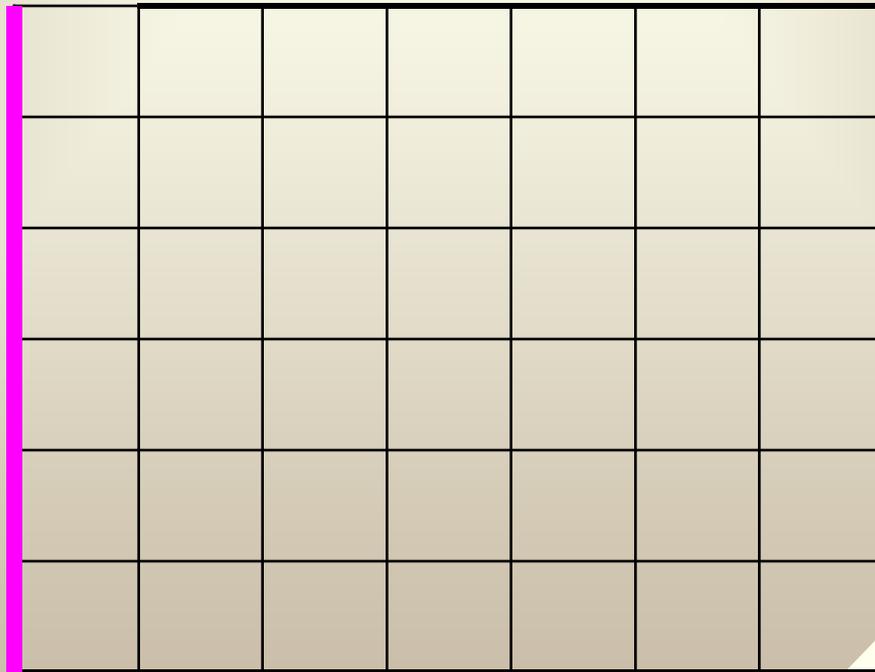
How to set up your graph!

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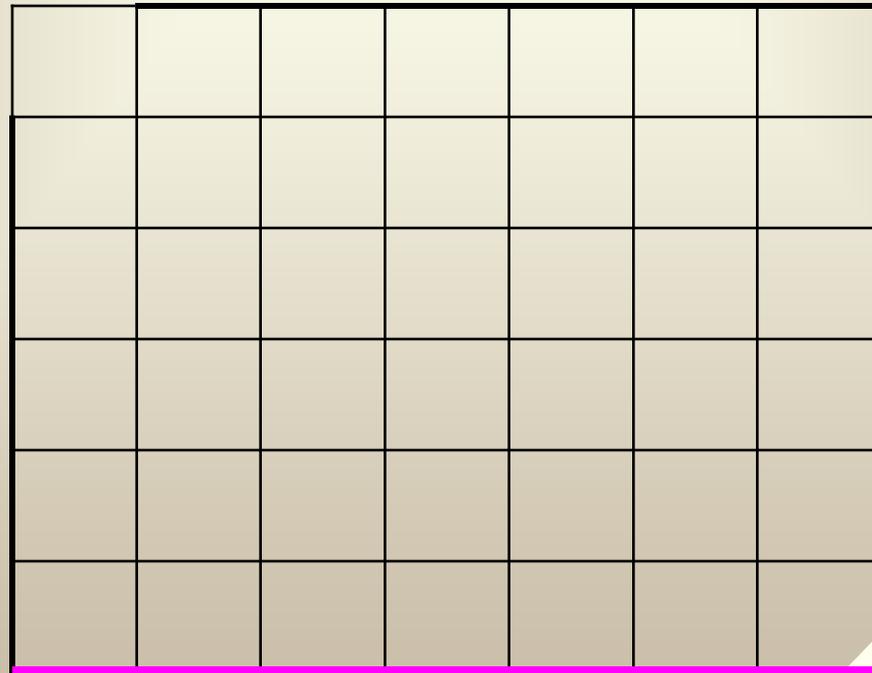
Y Axis

(This is for your
dependent variable)



How to set up your graph!

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X Axis

(This is for your independent variable)

TAILS

Teachers's Favorite Singer

0011 0010 1010 1101 0001 0100 1011

T - Title

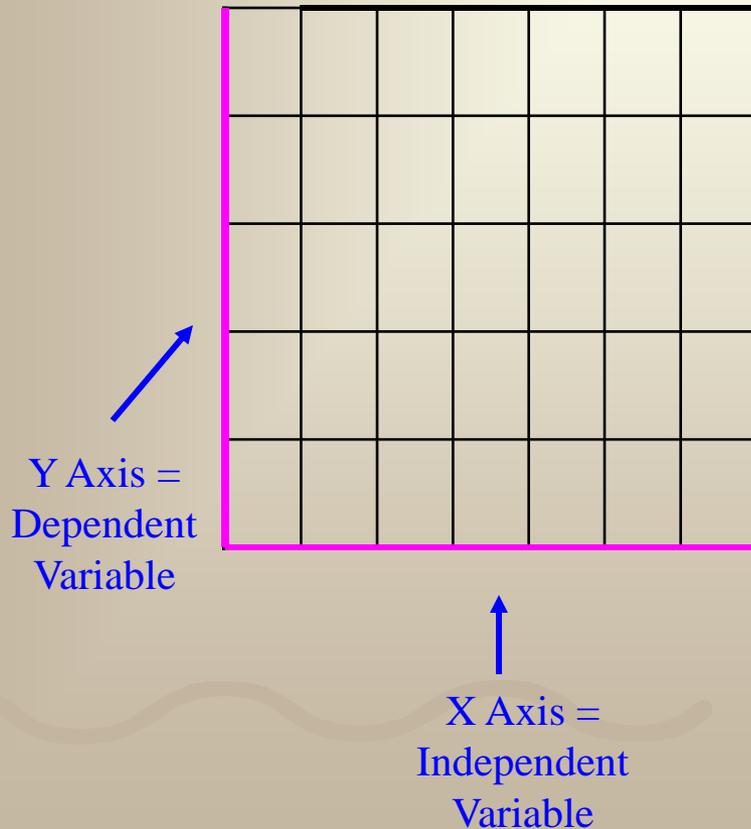


TAILS

Teachers's Favorite Singer

T - Title

A - Axis



TAILS

Teachers's Favorite Superhero

Decide on an appropriate scale for each axis.

Choose a scale that lets you make the graph as large as possible for your paper and data

T - Title

A - Axis

S - Scale

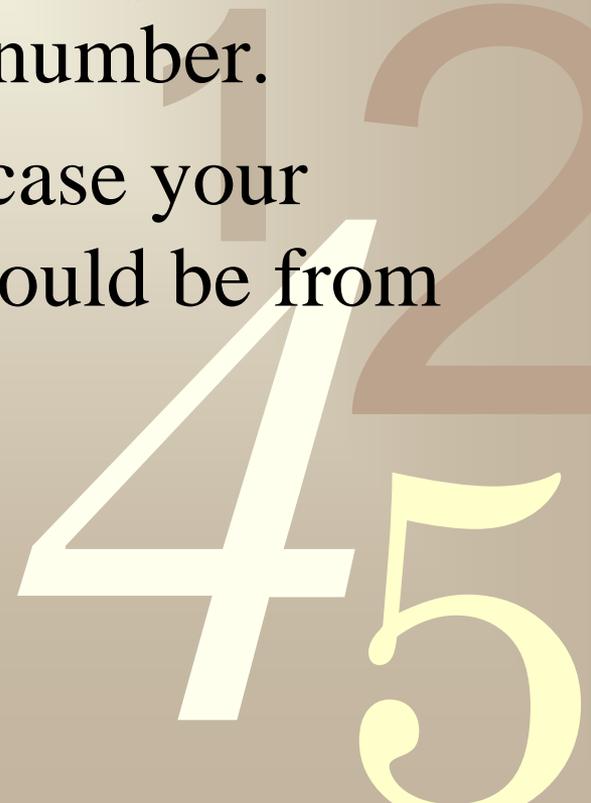


How to determine scale

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Favorite Superhero	Number of Teachers
Batman	22
Superman	15
Ironman	11
Capt. America	5
Aquaman	2

- Scale is determined by your highest & lowest number.
- In this case your scale would be from 2 – 22.



How to determine Intervals

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Favorite Superhero	Number of Teachers
Batman	22
Superman	15
Ironman	11
Capt. America	5
Aquaman	2

- The interval is decided by your scale.
- In this case your scale would be from 2 – 22 and you want the scale to fit the graph.
- The best interval would be to go by 5's.

TAILS

Teachers's Favorite Superhero

The amount of space between one number and the next or one type of data and the next on the graph.

The interval is just as important as the scale

Choose an interval that lets you make the graph as large as possible for your paper and data

T – Title

A – Axis

I – Interval

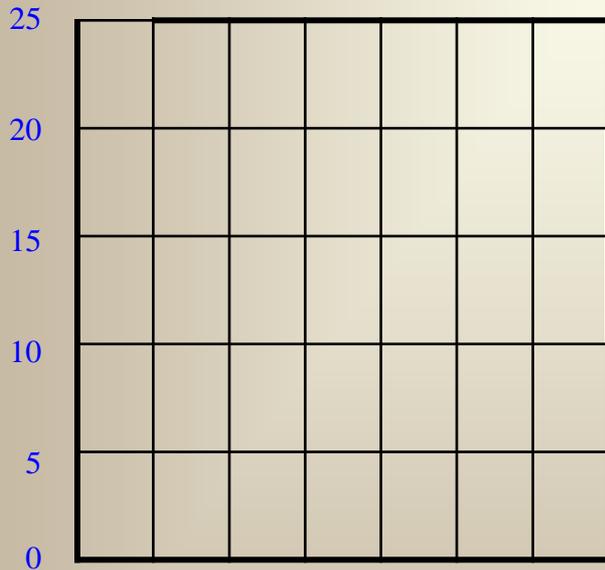
S – Scale



TAILS

Teachers's Favorite Superhero

0011 0010 1010 1101 0001 0100 1011



T – Title

A – Axis

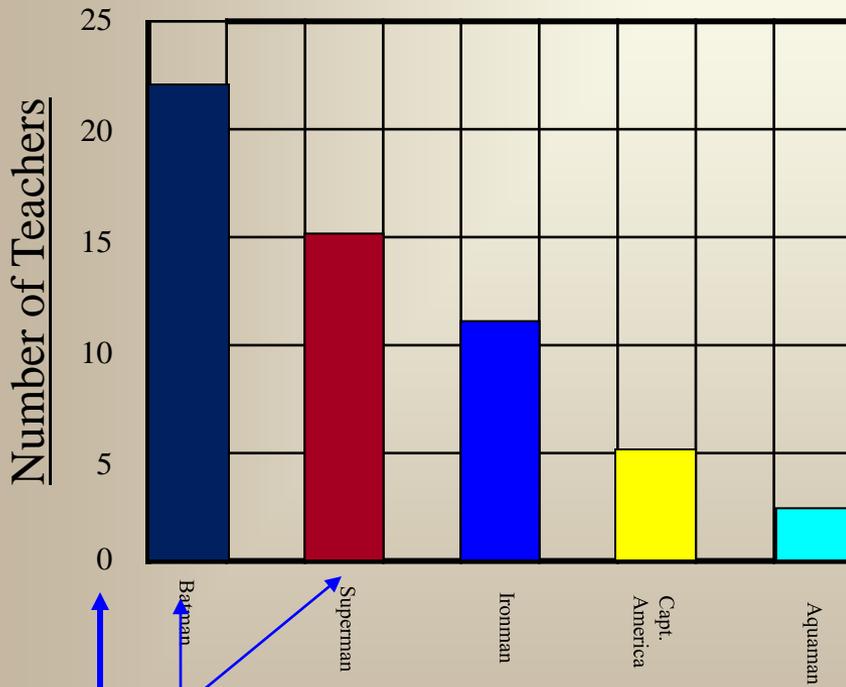
I – Interval

S – Scale



TAILS

Teachers's Favorite Superhero



LABEL your bars
data points
What do these words mean?

T – Title

A – Axis

I – Interval

L – Labels

S – Scale

When to use...

0011 0010 1010 1101 0001 0100 1011

- **Bar graphs**

- Used to show data that are not continuous.
- Allows us to compare data like amounts or frequency or categories
- Allow us to make generalizations about the data
- Help us see differences in data

- **Line Graphs**

- For continuous data
- useful for showing trends over time

- **Circle Graphs**

- Show percentage of whole

