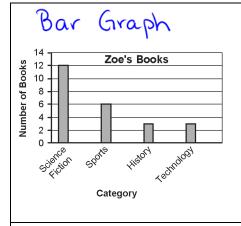
1.1 Advantages and Disadvantages of Different Graphs

I dentify each graph:

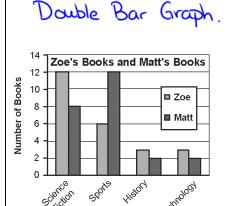
Line Graph, Bar Graph, Double Bar Graph, Pictograph, Circle Graph



Good for showing amounts in each category.

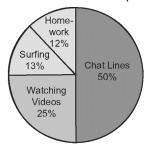
Compare categories using intervals.

- Can't find fractions or percents without doing some work.



- -Great for comparing categories between 2 different groups.
- can determine actual numbers
- -make comparisons using intervals.
- -not best for finding fractions or percents.

Circle Graph Pie Chart.
Akira's Week on Internet (20 h)

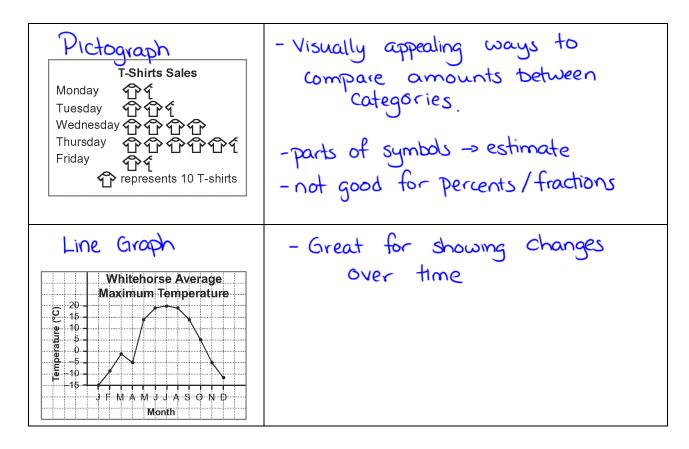


Very good for comparing fractions or percents.

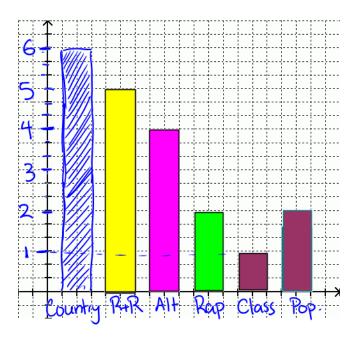
-not great for finding numbers.

fraction -> percent

numerator = denominator * 100



Christina is doing volunteer work in Uganda and asks several of the local people what their favourite music is. Use the table provided to create a bar graph showing their music preference



Music Preference	# of People	
Country	6	
Rock and Roll	5	
Alternative	4 2 1	
Rap		
Classical		
Pop	2	

What kind of music was 3 times as popular as Rap?

Country has a bar that is 3 times as many intervals. How can you tell?

Drawing a Circle Graph

Alfonse wants to convert Christina's data into a circle graph. Two advantages of using a circle graph are:

- He can see the fractions or percents
- He can predict the amounts for larger groups

Music Preference	# of People	Out of 100		10%	
Country	6	$\frac{6}{20} \times 100 = 30$	5%	5%	William State of the state of t
Rock and Roll	5	$\frac{5}{20} = \frac{25}{100}$ 25	9/6	Class	Country. 30%
Alternative	4	20%	•	10% E Rap	
Rap	2	10%)	E	
Classical	1	5%		Alt Alt	Rock 3
Рор	2	10%		20% 4/1/4/11	76/1 25%
Total Number	20	100%		4411	عاللالالالالالالالالالالالالالالالالالا

Suppose that there were 500 people surveyed. Could you make a prediction about how many people would like "Alternative" music?

$$\frac{20}{100} \stackrel{?}{=} \frac{100}{500}$$
100 out of 500
people would be
expected.

How many people would like "Pop" music? There are two ways to find out!