

Date: _____

Learning Goal

Entry Question

Describe an example of biased sampling.

Include a description of the population, and the sample that was used to create a biased sample.

Asking questions.

What is your favourite type of T.V. show?

- a) Comedy
- b) Reality
- c) Drama
- d) Game Shows
- e) Other
- f) None

How far is it from the school to your home? (in km)

How many pets do you have at home?

I love math! (circle your response)

1 = Strongly Disagree

2 = Disagree

3 = Neutral

4 = Agree

5 = Strongly Agree

Types of Data

Categorical Data

This is data that is recorded as a _____

or _____ **not** a _____.

Examples:

Types of Data

Fill in the blanks!

Continuous Data

This is _____ data where
values can exist _____ recorded data.

Examples:

Types of Data

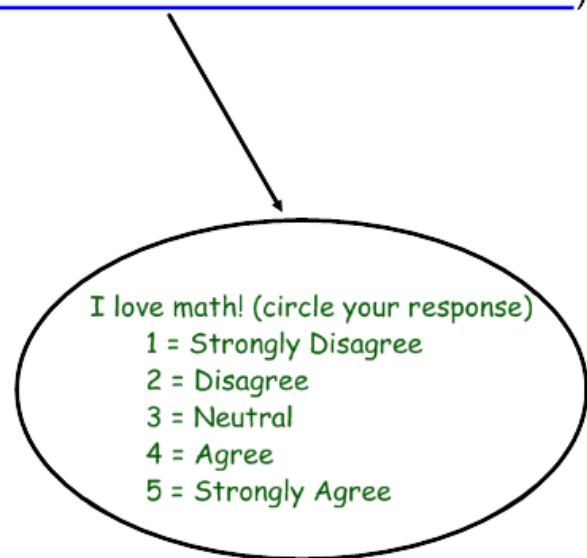
Fill in the blanks!

Discrete Data

This is _____ data, but
_____ are not allowed. There is a fixed
number of possible values.

(Sometimes we use _____)

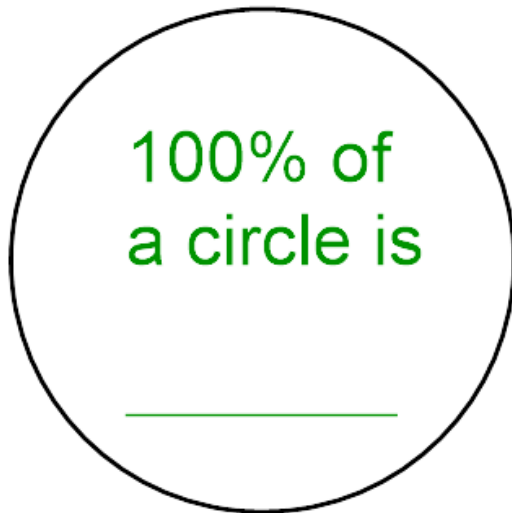
Examples:



Types of Graphs

For _____ Data we can use

_____ **Graphs**

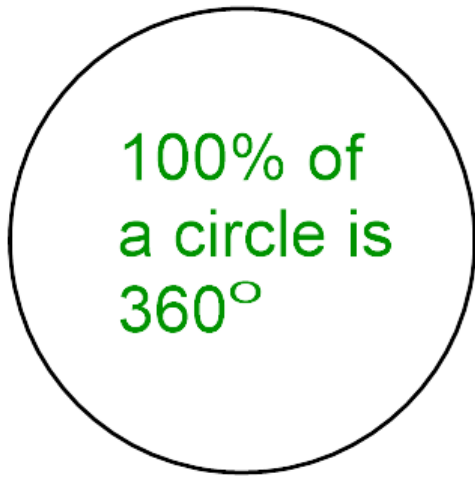


If 12/24 people choose reality T.V. shows, then:

$$\frac{12}{24} * 360^\circ = \boxed{}$$

_____ of our Circle Graph is for reality T.V.

Types of Graphs



If $\frac{5}{24}$ people choose reality T.V. shows, then:

_____ of our Circle Graph is for reality T.V.

Let's Make A Circle Graph

What is your favourite T.V. show?

a) Comedy

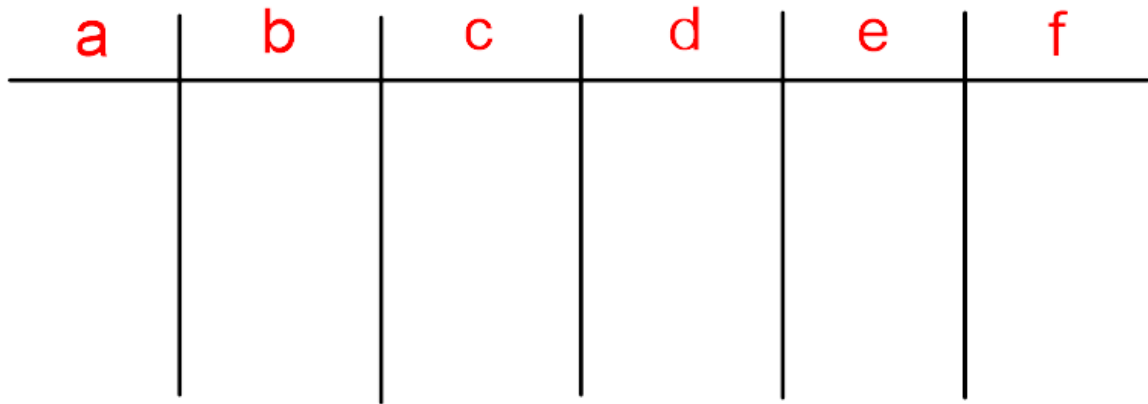
d) Game Shows

b) Reality

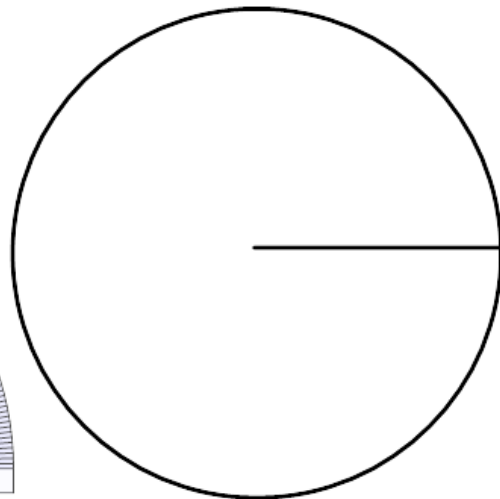
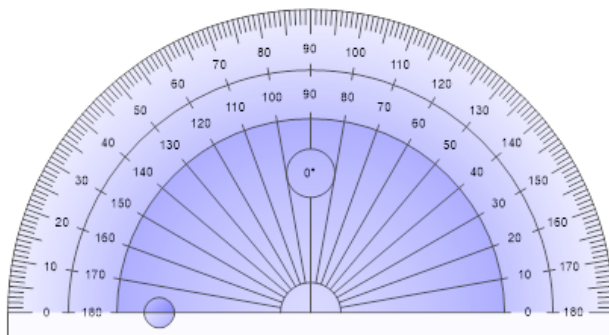
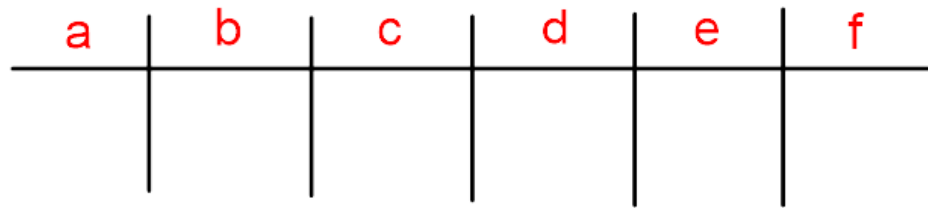
e) Other

c) Drama

f) None



Frequency:



Types of Graphs

For _____ Data

we use _____

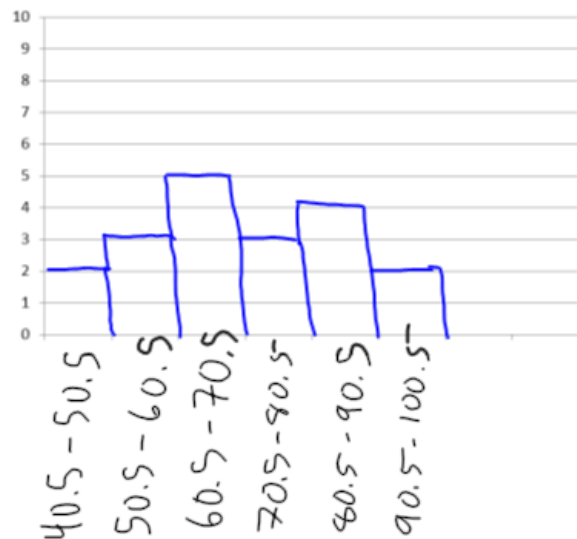
We have already seen these. You even made some of your own!

Bars are _____,

because _____ values are

possible.

Don't forget how to find the interval length!!



Types of Graphs

For _____ Data

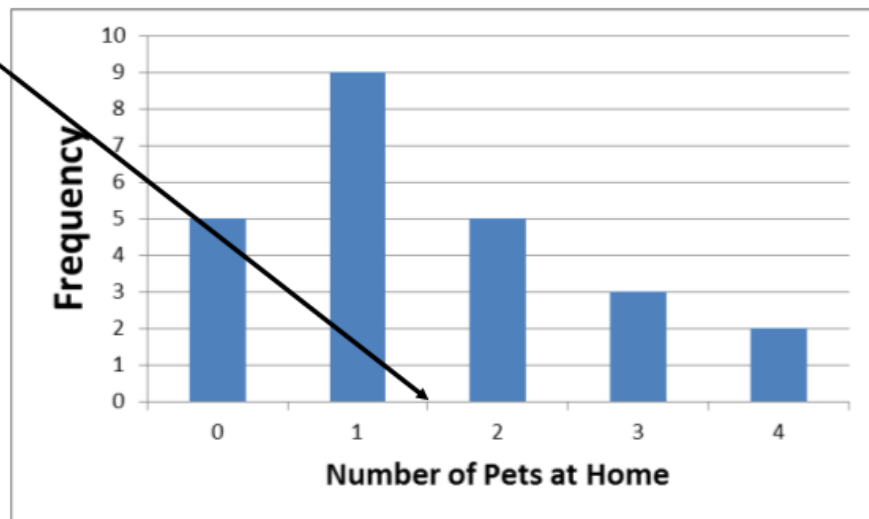
we use _____

These are like histograms, but there is

_____ **between the bars.**

All values are _____.

No one has 1.5 pets at home... right? *How many pets do you have at home?*



Let's Collect Some Data!

After **each** type of data has been collected, record it on your worksheet.

After **all three types** of data have been collected, make your graphs and answer the questions.

******Tomorrow we will have course duotangs to store all of the practice I give you.

At the end of each unit I will give you marks for completion and effort on this work.