Topic: Intro to Scatterplots

Date:

What am I learning today?

<u>Main Ideas/</u> <u>Questions</u> Scatterplot	Notes Scatterplots – Displays a relationship between 2 variables measured on the SAME ***Each axis gets a variable and a LABEL ***Each individual will be represented as an on the coordinate graph.						
Explanatory and Response Variables	Explanatory Variable (x) – EXPLAINS or causes changes in the response variable; this is the variable Response Variable (y) – Measures an outcome or result of a study; this is the variable Examples: Determine if there is a clear explanatory and response variable or if it is just a relationship between two variables. a) The amount of time spent playing video games and a student's GPA. EXPLANATORY: RESPONSE: b) The height of a person and their shoe size. EXPLANATORY: RESPONSE: c) A student's score on the Physical Science EOC and their score on the Geometry EOC. EXPLANATORY: RESPONSE: d) The amount of subscribers on a YouTube channel and the number of views for their latest video. EXPLANATORY: RESPONSE: d) The amount of subscribers on a YouTube channel and the number of views for their latest video. EXPLANATORY: RESPONSE:						

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<u>Main Ideas/</u> Questions

<u>Notes</u>

Example 1: Construct a scatterplot for the following.

Examples

Ninth grade boys at a school go backpacking every fall. Before leaving, their backpack is weighed. Here's the data from 8 students one year:

Body weight (lbs.):	120	187	109	103	131	165	158	116
Backpack (lbs.):	26	30	26	24	29	35	31	28

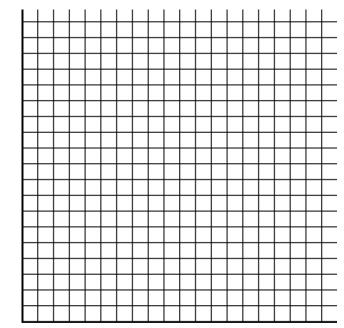
1. Decide which variable is the following:

Explanatory(x):

Response(y):

2. Label and scale axes.

3. Plot individual data values.



4. Draw a conclusion about the relationship of body weight and backpack weight in complete sentences.

<u>Summary</u>

Summarize the lesson in your own words Date: