

Self-Portrait Glyph Graph

Name _____

Introduction:

Glyph is a term coined within the last 25 years. Glyph graphs were originally inspired by Egyptian hieroglyphics as a valuable tool for displaying data with many variables. (Note: A scatter plot graph can be thought of as two dimensional glyph.) The following activity was originally from Contemporary Applied Mathematics Series monograph, published by Janson (1987) and revised by Gretchen Davis Santa Monica High School, Santa Monica, California.

Goal:

You are to gather and organize data in twelve categories over a week's time period. After analyzing the data by calculating the mean - the average - for each category, you will graph the data as described on page two. The graphed data will represent your glyph self-portrait.

Materials Needed: this paper, a writing utensil, and a ruler marked in inches.

I. Record or estimate the number of *hours* you spent on each activity in the table below.

Write the time as a decimal number. (ex. 1 hour and 15 minutes = $1 + \frac{15}{60} = 1.25$ hours)

Note: Include the time spent at school unless told otherwise.

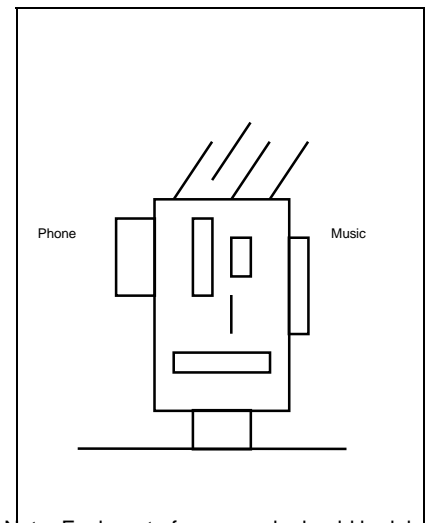
	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	Sun.	Total	Average Total/7
Socializing with friends or relaxing alone									
Weight training									
Exercising (not weight lifting)									
Eating									
Talking to parent(s) or guardian(s)									
Listening to music									
Talking on the phone									
Working or Chores									
Recreational reading									
Studying in study hall or at home									
Using computer									
Watching TV									

over

II. Graph the following where all answers are in inches. See the example below.

- 1) The socializing with friends or relaxing alone average is the horizontal length of your shoulders.
- 2) a) Your weight training average is: _____
b) Add one to your answer in 2a): _____ This last answer is the width of your neck.
- 3) The exercising average is the vertical length of your neck.
- 4) a) Your approximate weight in pounds: _____
b) Divide your answer in 4a) by 40: _____ This last answer is the width of your head.
- 5) a) Your approximate height in inches: _____
b) Divide your answer in 5a) by 15: _____ This last answer is the height of your head.
- 6) a) Your measured hair length in inches: _____
b) Your answer in 6a) divided by 4 : _____ This last answer is the length of your hair.
(if more than 1 inch draw your hair at an angle or down).
- 7) The eating average is the horizontal length of your mouth.
- 8) The talking to parents is the vertical width of your mouth.
- 9) The listening to music average is the vertical length of your left ear i.e. the ear on the right side of the graph.
- 10) The talking on the phone average is the vertical length of your right ear i.e. the ear on the left side of the graph.
- 11) The working or chores average is the vertical length of your nose.
- 12) The recreational reading average is the width of your left eye. i.e. the eye on the right side of the graph.
- 13) The studying average is the height of your left eye. i.e. the eye on the right side of the graph.
- 14) The using computer average is the width of your right eye. i.e. the eye on the left side of the graph.
- 15) The watching TV average is the height of your right eye. i.e. the eye on the left side of the graph.

Name: Chris Doe
Gender (circle): Male or Female Age: 15



Note: Each part of your graph should be labeled.
ex) exercising etc.

Name:

Gender (circle): Male or Female

* Label each body part:

Age:

