

Name:

Statistics

Date:

Practice Quiz 1-B

1. Identify the level of measurement of the following survey questions based on the sample answers given.

a) How old are you? (Sample answers: 5, 10, 18, 25)

The level of measurement is ratio because _____

b) What size shirt do you wear? (Sample answers: S, M, L, XL)

The level of measurement is _____. It is not interval because _____

c) How fast can you run a mile? (Sample answers: 4:10, 5:45, 6:50, 8:30)

The level of measurement is ratio because _____

d) What time do you usually get up on weekdays? (Sample answers: 4:30, 6:15, 7:00, 8:00)

The level of measurement is _____. It is not ratio because _____

e) What is the best coffee shop in Scotts Valley? (Sample answers: Coffee Cat, Peet's, Starbucks, Surf City)

The level of measurement is _____. It is not ordinal because _____

f) How many hours of exercise do you get each weekend on average? (Sample answers: 0, ½, 1, 4)

The level of measurement is ratio because _____

g) Where do you normally park at school? (Sample answers: senior parking top, senior parking bottom, general parking top, don't park at school)

The level of measurement is _____. It is not ordinal because _____

h) If you and three friends were in a Haunted House tour group, where would you want to be in the group? (Sample answers: first, second, third, fourth)

The level of measurement is _____. It is not interval because _____

2. Makayla hypothesizes that people remember details of a picture better when they see a printout of it than when they see it on a screen. She shows each participant the same picture, either printed or online, and then she measures how well they remember it.

a) Explain how you would operationalize the dependent variable (memory of details of a picture). Make your operational definition precise and detailed enough that two different experimenters would get the same results if they both looked at the data without talking to each other.

b) Write, word-for-word, the directions you would provide participants.