

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: 4:30, 6:15, 7:00, 8:00)

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, Cafe Cruz)

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) Where do you like to sit on a roller coaster? (Sample answers: front, second row, middle, back)

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

2. Amelia 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 the details.

a) Explain how you would measure the dependent variable. Use examples to clarify how errors or omissions would affect the score.

What counts as a detail? How is the score affected if a detail is incorrect, partially incorrect, omitted, or switched?

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