

**Instructions:** Answer each questions completely and as thoroughly as possible. Use exact answers, or follow general statistical rounding guidelines.

1. For each of the following variables, determine if the variable is i) quantitative or qualitative, ii) its level of measurement, and iii) if the variable if quantitative, is it discrete or continuous.

- a. The number of natural teeth in an animal's mouth

quantitative, discrete, ratio

- b. Gallons of gas at a fill-up

quantitative, continuous, ratio

- c. Marital status

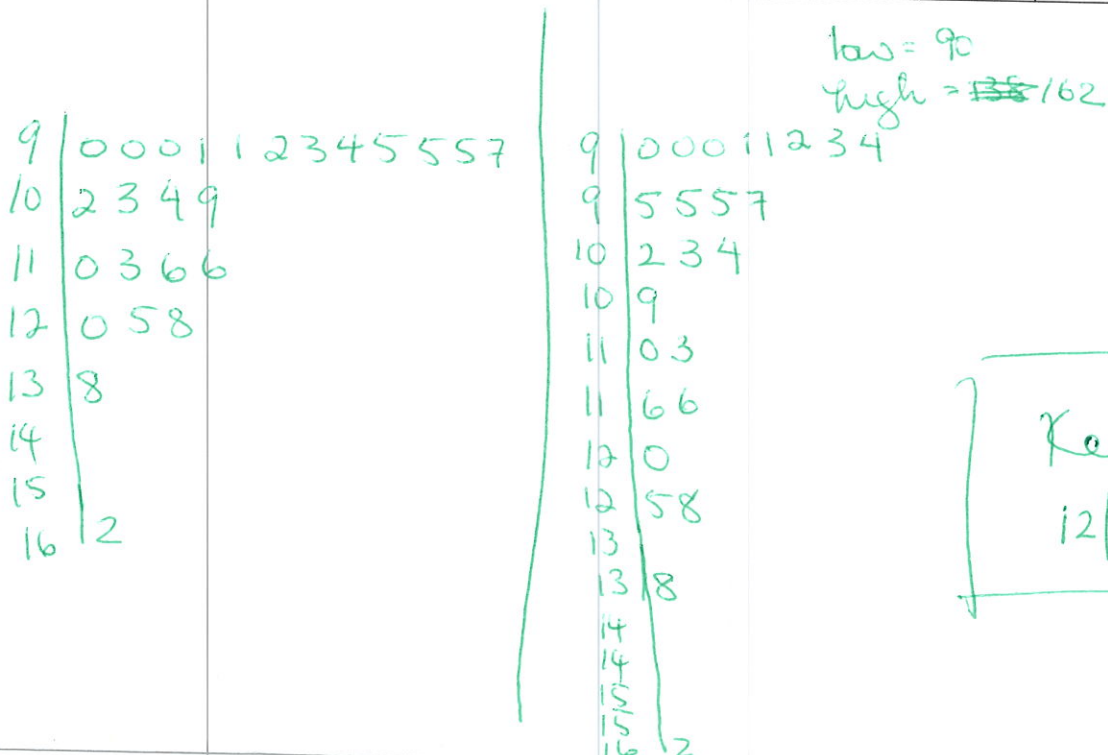
qualitative, nominal

- d. Movie ratings (number of stars, not content ratings)

qualitative, ordinal

2. Create a stem-and-leaf plot of the data below for the length of a sample of American movie titles. Be sure to give a key to your graph.

94	90	95	93	128	95	125	91	104	116
162	102	90	110	92	113	116	90	97	103
95	120	109	91	138					



Key:  
12|5 = 125