

Name:

2-A Graphs

1. Identify an appropriate type of graph for each of the following research questions.

- a) Can football players bench more the heavier they are?

- b) How much time per week do students use their phones?

- c) Do people think faster in the morning or in the afternoon?

- d) Do college students prefer taking morning or afternoon classes?

2. Make a graph for each of the following data sets.

- a) 31% of boys at Hurvitz High do a fall sport.

- b) Kaden asks nine adults their annual salary (in thousands) and how happy they typically feel on a scale of 1 to 10.

salary	happiness
\$45	8
\$33	7
\$98	6
\$24	3
\$67	9
\$41	5
\$55	9
\$39	2
\$81	7

2-B Histograms

3. The scores on the last PreCalculus test last year were 17, 24, 45, 45, 46, 60, 61, 64, 65, 65, 68, 70, 70, 72, 77, 77, 80, 80, 80, 84, 84, 84, 85, 85, 85, 86, 89, 90, 92, 93, 96, 96, 97, 97, 97, and 100.

- a) Make a frequency histogram for the data.
- b) Using a different color, make a relative frequency histogram of the data, either from scratch or by changing the frequency histogram you already made.

4. Identify the shape of the following distributions. It may help to sketch a histogram first.

- a) 2, 2, 3, 3, 4, 4, 5, 5
- b) 4, 4, 5, 8, 9, 10, 12, 31