

Name _____

Date _____

Graphing Probability Distribution - Step-by-Step Lesson

Draw a relative frequency histogram of the data.

Comment on the shape of the distribution.

Explanation:

We create a histogram using the values dictated by the table to the right. The relative frequency histogram is symmetric. It favors the middle value, just like a bell curve.

Length (inches)	Relative frequency
19.0-19.9	0.006
20.0-20.9	0.006
21.0-21.9	0.006
22.0-22.9	0.026
23.0-23.9	0.03
24.0-24.9	0.056
25.0-25.9	0.076
26.0-26.9	0.011
27.0-27.9	0.116
28.0-28.9	0.16
29.0-29.9	0.13
30.0-30.9	0.12
31.0-31.9	0.12
32.0-32.9	0.07
33.0-33.9	0.036
34.0-34.9	0.026
35.0-35.9	0.026
36.0-36.9	0.006
37.0-37.9	0.006

