

60

SHAPE

HOW CAN I DESCRIBE THE SHAPE?

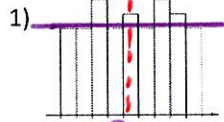
8-35 Statisticians use the words below to describe the shape of data distribution.

a) Use your vocabulary skills to match the terms with the histograms that follow. Note that each histogram is described using two terms.

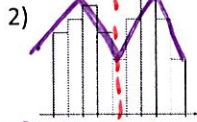
"balanced"

Double-Peaked, Single-Peaked or Uniform

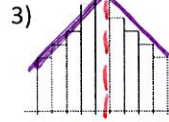
Skewed or Symmetric



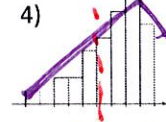
• Uniform
• Symmetric



• Double Peak
• Symmetric

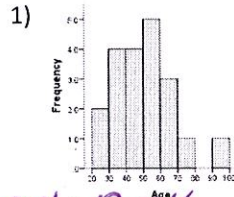


• Single Peak
• Symmetric

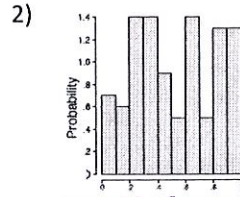


• Single Peak
• Skewed

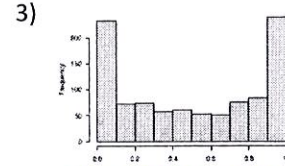
b) For each histogram below, describe the shape using two terms.



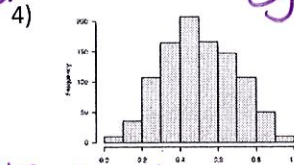
• Single Peak,
• Skewed



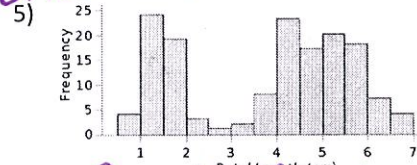
• Uniform,
• Symmetric



• Double peak,
• Symmetric



• single peak, symmetric



• Double Peak,
• Skewed

8-73 With your team, continue work on your team poster. Remember that your poster must include:

- The question(s) asked (should be phrased as a statistical question)
- A table of the data collected (at least 10 responses) with unit of measure
- A dot plot or stem-and-leaf plot (choose the best fit for your data)
- A histogram or box plot (choose the best fit for your data or do both)
- Analysis of the data (mean, median, range, quartiles, shape, spread and outliers).