Answer all SEVEN questions. Indicate your final answer clearly.

Here is a list of Smurf heights, in inches:

14, 6, 15, 10, 13, 13, 9, 7, 8, 11, 8, 12

**Question 1 (2 points):** Draw a box plot of the Smurf height data. Label your axes carefully and mark any outliers.

**Question 2 (1 point):** What is the SD of the Smurf heights? (Do not give the SD+.)
Answer questions 3 and 4 based on the following histogram:

Question 3 (1 point): What percentage of Smurfs weigh between 70 and 80 ounces?

Question 4 (1 point): What is the approximate median of Smurf weights?
The distribution of Snork heights has mean 7.5 inches and SD 1.5 inches.

**Question 5 (1 point):** If Snork heights are normally distributed, what percentage of Snorks are between 5 and 10 inches in height?

**Question 6 (1 point):** If Snork heights are NOT normally distributed, what is the minimum percentage of Snorks that are between 5 and 10 inches in height?

**Question 7 (hard, 1 point):** If Snork heights are NOT normally distributed, what is the largest possible value of the upper quartile of Snork heights?