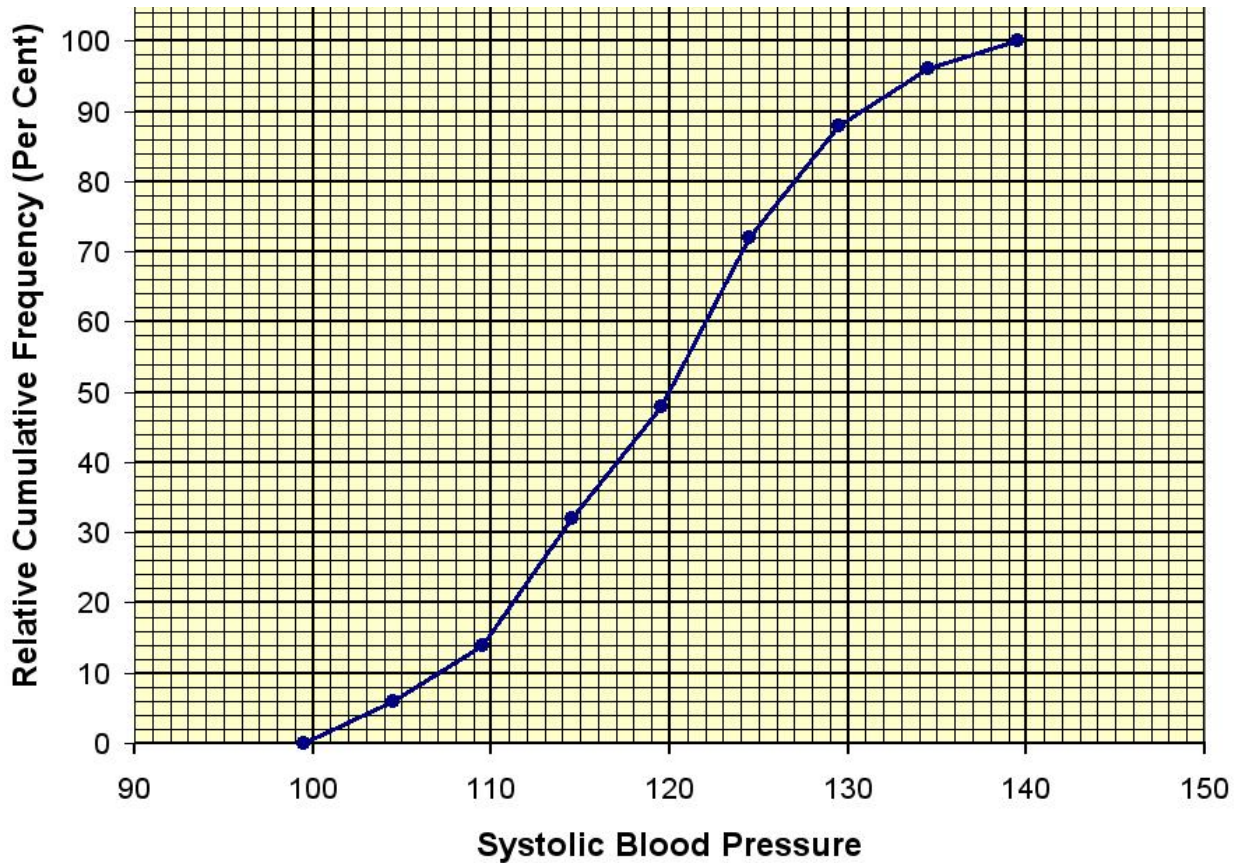


Performance Assessment 2.1 Day 3

Given the following ogive of systolic blood pressure:



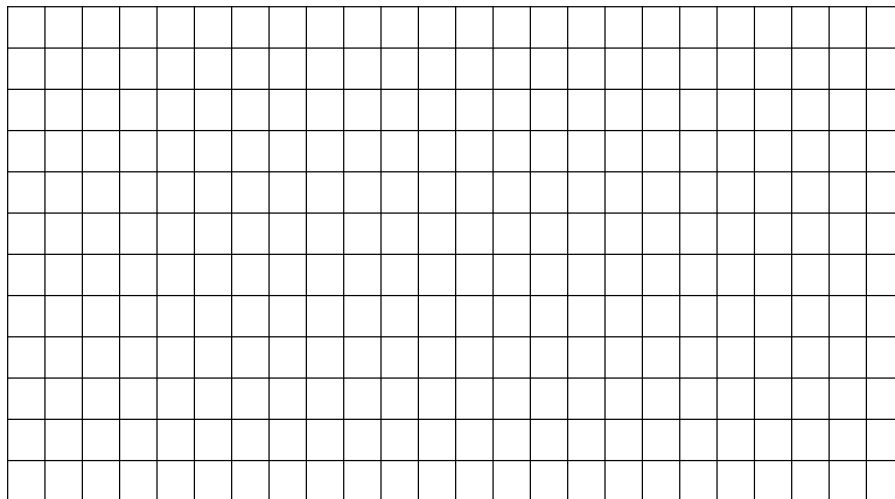
1. What percent of blood pressures were between 114.5 and 124.5? _____ (1pt)
2. What is the center of the distribution? _____ (1pt)
3. What percentile is associated with a systolic blood pressure of 130? _____ (1pt)
4. What is the 70th percentile of this distribution? _____ (1pt)
5. When drawing an ogive, the first point you make is always at ____% and the last is always at ____%. (2pts)

The following data gives highway gas mileage for 2004 model midsize cars.

24	25	26	30	26	26	34	30	28	34
27	26	23	26	28	24	25	25	24	26
27	20	25	26	28	28	28	33	31	28

Complete the chart using the same data. (5pts). Then, construct an ogive for the data (4pts)

Class	Frequency	Relative Frequency	Cumulative Frequency	Relative Cumulative Frequency
[20, 22)				



1.) What is the center of the distribution? (1pt)

2.) What percent of midsize vehicles had gas mileage between 27 and 31 mpg? (1pt)