VISUAL SUMMARY

Computing the Mean of a Frequency Distribution

Before You Begin: Create a frequency distribution, including apparent limits frequency and midpoints.

Sum the frequencies to find
n:
$n = \Sigma$ frequencies

For each cell, multiply each
frequency times the midpoint:
(frequency · midpoint)

Sum the frequencies times
midpoint:
Σ(frequency · midpoint)

The mean of a frequency
distribution equals the sum of
the frequency times midpoint
divided by *n:*

$$\overline{X} = \frac{\Sigma(\text{frequency} \cdot \text{midpoint})}{n}$$