## VISUAL SUMMARY

## Finding the Median in a Grouped Frequency Distribution

Before You Begin: Create a grouped frequency distribution with the real limits, apparent limits, frequency, and cumulative frequency; identify the class interval size $(i)$; and tally the number of scores $(n)$.

Find the middle score by computing $n / 2$

Use the cumulative frequency column to find the class interval that contains the median. This is the class interval that has a cumulative frequency greater than or equal to $n / 2$

Identify $L$ :
$L=$ the lower real limit of the class interval that contains the median

$C F_{b}=$ the cumulative frequency in the class interval below the class interval that contains the median

Compute the median:

$$
\text { Median }=L+\left[\frac{(n / 2)-C F_{b}}{F_{i}}\right] \cdot i
$$

