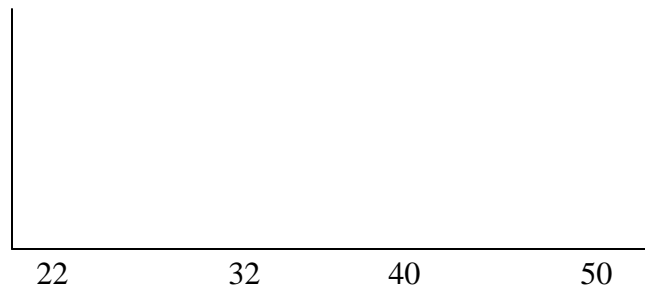


Directions: For each problem, show the necessary work and indicate clearly your answer.

1. Draw the histogram for the data summarized in the table below:

class	22-32	32-36	36-40	40-50
frequency	6	4	2	8

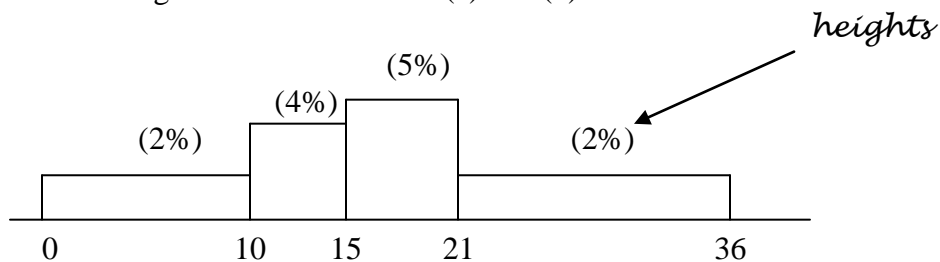
Use the **3 class intervals** indicated on the horizontal axis. Label the heights of the **3 rectangles** that you draw.



2. Find the **standard deviation** of the following list of numbers.

4 7 9 12 28

3. Use the histogram below to answer (a) and (b).



a) Estimate the percentage of the data in the 13-24 range.

b) Find the median of the histogram.

4. 8 women and 12 men shopped in a kitchen store during the noon hour. On average, the women spent \$28.75 and the men spent \$43.85. What was the average amount spent by all 20 customers?