

**Worksheet 7-4
Histograms**

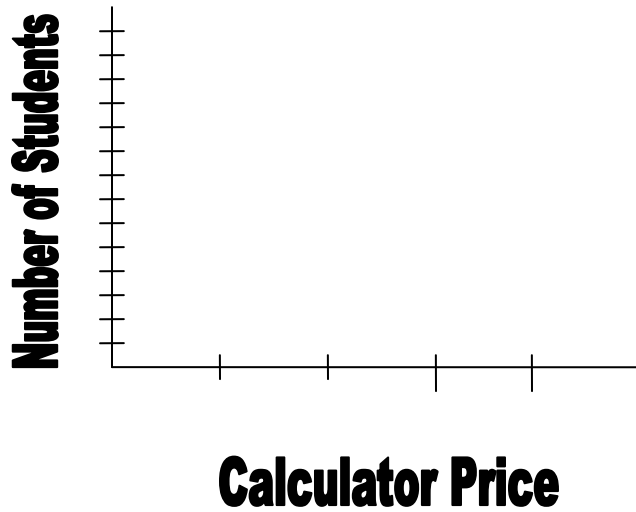
The following is the amount that 20 different students paid for their calculators. Use the data to answer questions 1-2.

\$3	\$16	\$2	\$11	\$10	\$12	\$13	\$17	\$19	\$1
\$6	\$5	\$15	\$7	\$20	\$6	\$7	\$9	\$5	\$18

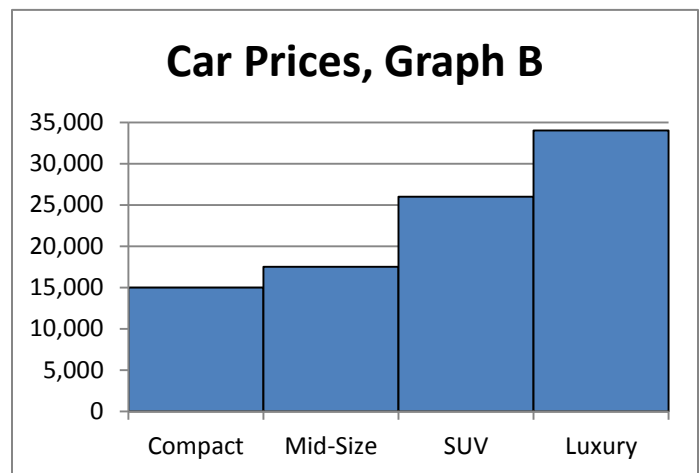
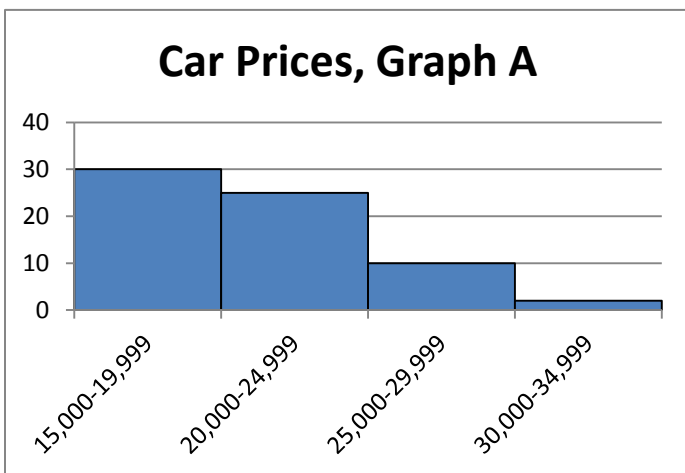
1. Make a frequency table for the data.

Interval	Frequency	Relative Frequency
\$1-\$4		
\$5-\$8		
\$9-\$12		
\$13-\$16		
\$17-\$20		

2. Make a histogram for the data.



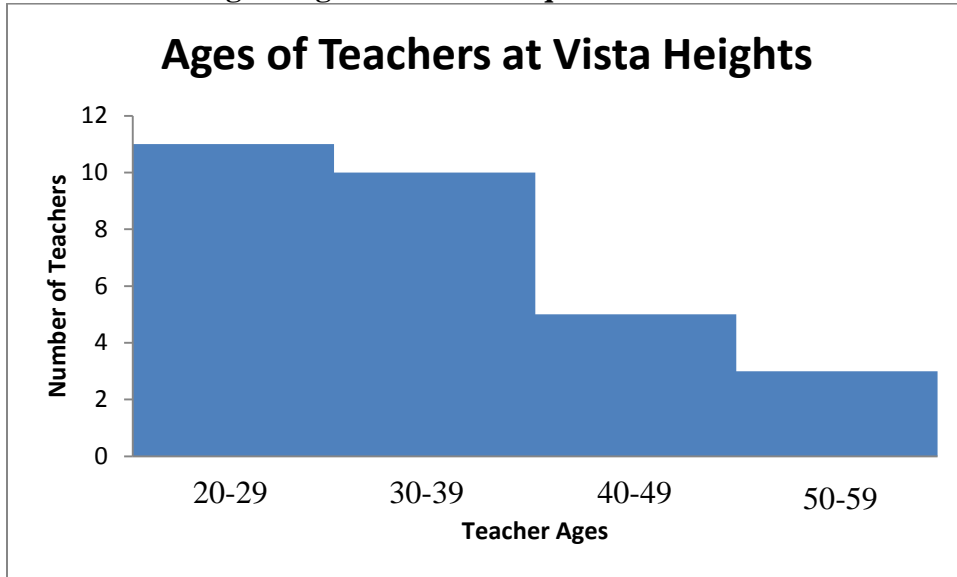
For Problems 3-5, use Graph A and Graph B shown below.



3. Which graph would you use to tell how many cars under \$30,000 were sold?

4. Which graph would you use to compare the prices of a mid-size car and an SUV?
5. **Multiple choice.** Which conclusion *cannot* be made about the data in Graph A?
- A. There are 67 cars in the data set.
 - B. Two cars are priced between \$30,000 and 34,999.
 - C. Most of the cars are priced between \$15,000 and \$19,999.
 - D. Mid-size cars sell the best.

Use the following histogram to answer questions 6-9.



6. How many teachers are between the ages of 30 and 39?
7. How many more teachers are in the 40-49 age group than the 50-59 age group?
8. Which interval has the most teachers?
9. How many teachers are between the ages of 30 and 49?