

Section 7-4:

Histograms

See Worksheet 7-4

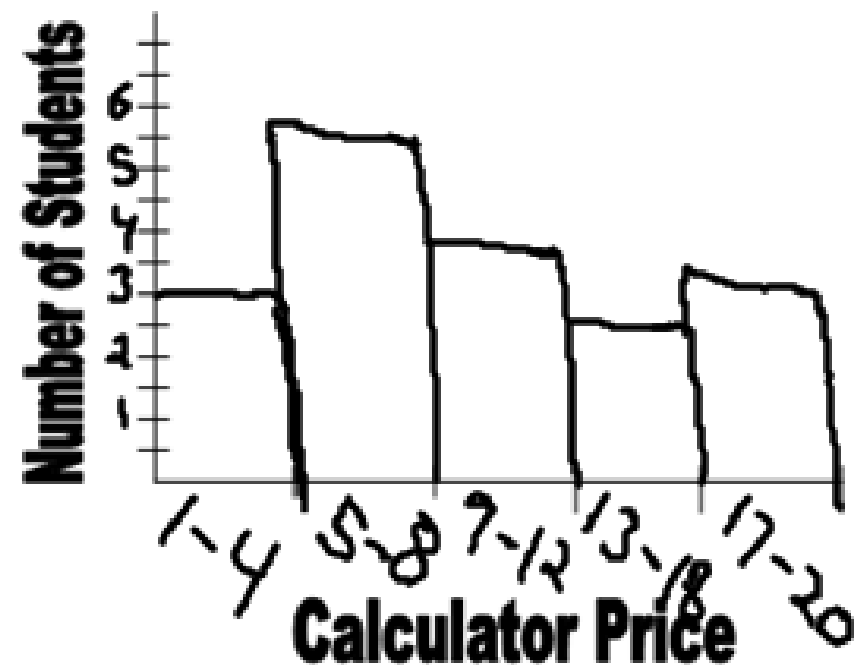
The following is the amount that 20 different students paid for their calculators. Use the data to answer questions 1-2.

\$8	△\$16	\$2	□\$11	□\$10	□\$12	△\$13	▬\$17	▬\$19	\$1
○\$6	○\$5	△\$15	○\$7	▬\$20	○\$6	○\$7	□\$9	○\$5	▬\$18

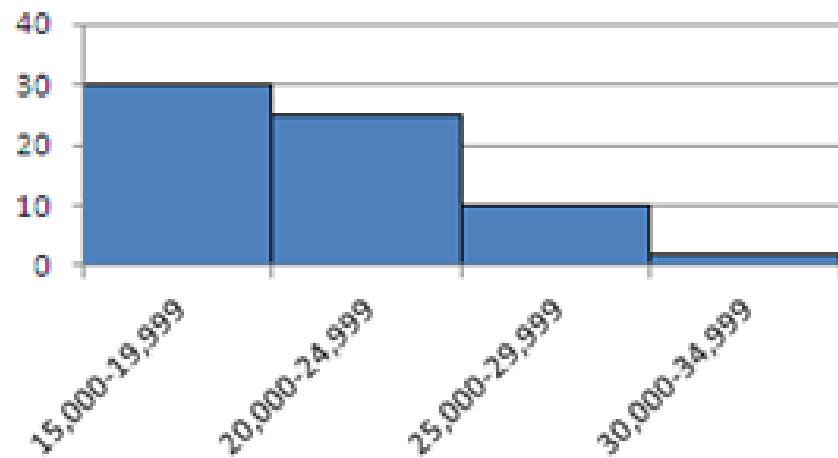
1. Make a frequency table for the data.

Interval	Frequency	Relative Frequency Percent
\$1-\$4	3	15%
\$5-\$8	6	30%
\$9-\$12	4	20%
\$13-\$16	3	15%
\$17-\$20	4	20%

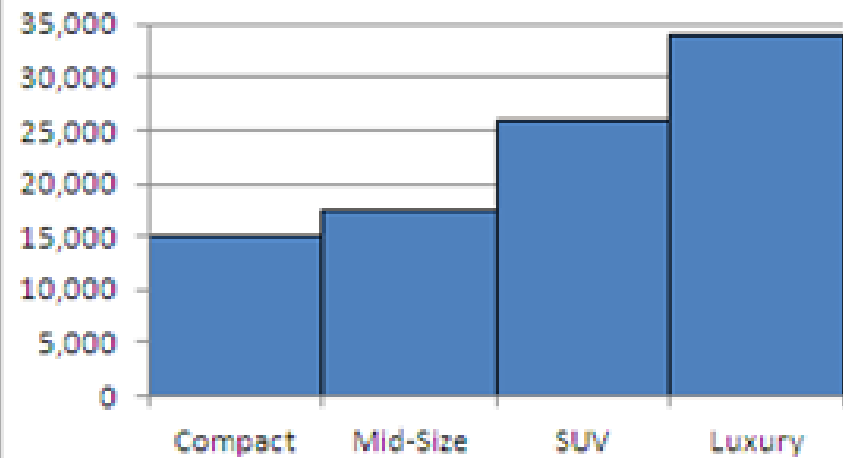
2. Make a histogram for the data.



Car Prices, Graph A

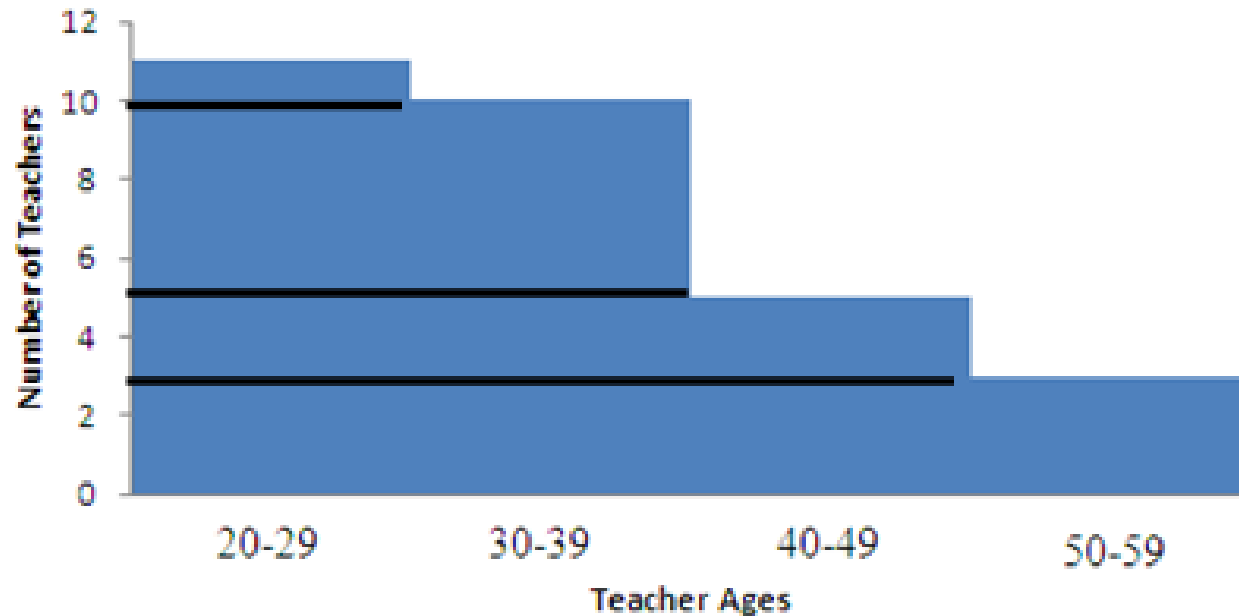


Car Prices, Graph B



3. Which graph would you use to tell how many cars under \$30,000 were sold?
 A
4. Which graph would you use to compare the prices of a mid-size car and an SUV?
 B
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.

Ages of Teachers at Vista Heights



6. How many teachers are between the ages of 30 and 39?

10

7. How many more teachers are in the 40-49 age group than the 50-59 age group?

$$5 - 3 = 2$$

8. Which interval has the most teachers?

20-29

9. How many teachers are between the ages of 30 and 49?

15