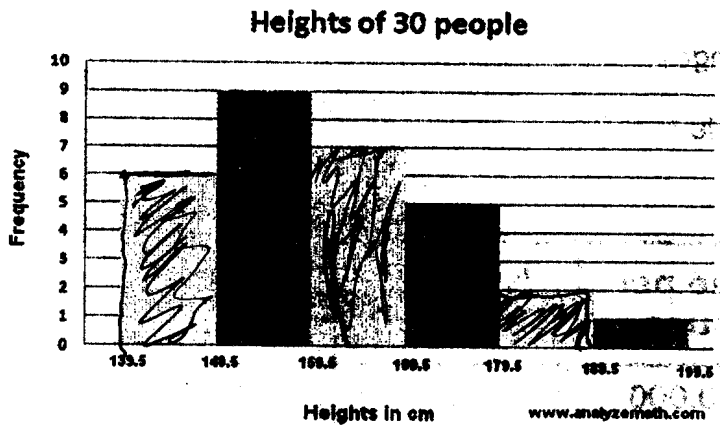


Name: _____

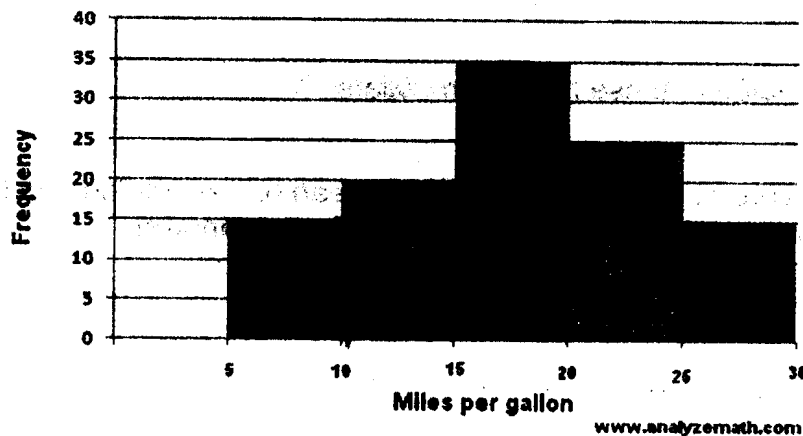
1) The histogram below shows the heights (in cm) distribution of 30 people.

- a) How many people have heights between 159.5 and 169.5 cm?
- b) How many people have heights less than 159.5 cm?
- c) How many people have heights more than 169.5 cm?
- d) What percentage of people have heights between 149.5 and 179.5 cm?



2) The histogram below shows the efficiency level (in miles per gallons) of 110 cars.

- a) How many cars have have an efficiency between 15 and 20 miles per gallon?
- b) How many cars have have an efficiency more than 20 miles per gallon?
- c) What percentage of cars have have an efficiency less than 20 miles per gallon?



3) The Fahrenheit temperature readings on 30 April mornings in Stormville, New York, are shown below.

41°, 58°, 61°, 54°, 49°, 46°, 52°, 58°, 67°, 43°
 47°, 60°, 52°, 58°, 48°, 44°, 59°, 66°, 62°, 55°
 44°, 49°, 62°, 61°, 59°, 54°, 57°, 58°, 63°, 60°

Interval	Tally	Frequency
40-44		
45-49		
50-54		
55-59		
60-64		
65-69		

A) Using the data, complete the frequency Table to the right.

B) Make a histogram of the data with those intervals. (separate piece of paper.

C) Make a stem and leaf plot of the data.

D) What is the Median?

E) What is the Range?

F) What is the Mode?

Value per House	Number of Houses
\$100,000	1
\$175,000	5
\$200,000	4
\$700,000	1

4) The values of 11 houses on Washington St. are shown in the table above.

A) Find the mean value of these houses in dollars.

B) Find the median value of these houses in dollars.

C) State which measure of central tendency, the mean or the median, best represents the values of these 11 houses. Justify your answer.