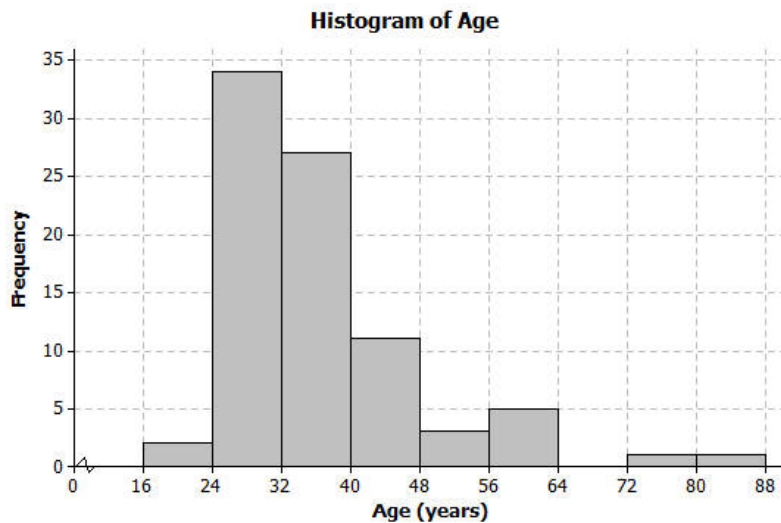


## Histogram Practice

Name: \_\_\_\_\_

1. The following histogram shows ages of the actresses whose performances have won in the Best Leading Actress category at the annual Academy Awards (Oscars).



- Which age interval contains the most actresses? How many actresses are represented in that interval?
- Describe the shape of the histogram.
- What does the shape tell you about the ages of actresses who win the Oscar for best actress award?
- Which interval describes the center of the ages of the actresses?
- An age of 72 would be included in which interval?

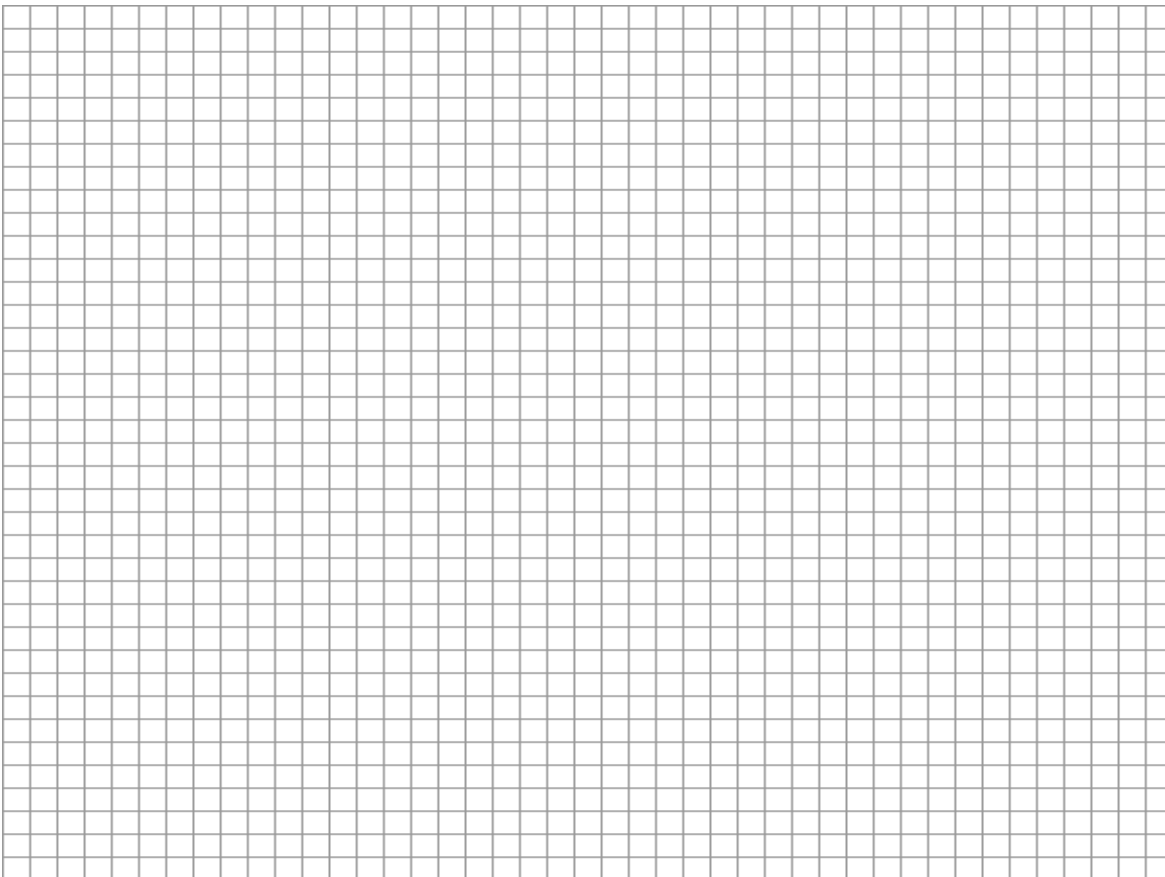
2. Listed are the grams of carbohydrates in hamburgers at selected fast food restaurants.

63 40 66 45 58 30 52 40 56 42  
42 44 33 44 45 32 45 62 52 24

a) Complete the frequency table with intervals of width 10.

| Number of Carbohydrates (grams) | Tally | Frequency |
|---------------------------------|-------|-----------|
| $20 \leq 30$                    |       |           |
| $30 \leq 40$                    |       |           |
| $40 \leq 50$                    |       |           |
| $50 \leq 60$                    |       |           |
| $60 \leq 70$                    |       |           |

b) Draw a histogram of the carbohydrate data.



c) What number describes the center of the data? What is the shape of the histogram?

Name \_\_\_\_\_

Date \_\_\_\_\_



### Minute to Win It Box Plots



**Directions:**

1. Collect data from your Minute to Win It activity and record in the Recording Data box.
2. Put the data in order from least to greatest in the Ordering Data box.
3. Look at your data and decide what scale to use. Then number your number line in the Graphing Data box.
4. Plot data on your dot plot.
5. Use the dot plot to find the minimum, maximum, median, quartile 1, and quartile 3.
6. Create a box plot using the data from the dot plot.



### Data & Graph for \_\_\_\_\_ Activity

|  |                |
|--|----------------|
|   | Recording Data |
|  | Ordering Data  |
| <br>Min =<br>Q1 =<br>Med =<br>Q3 =<br>Max =<br><br> | Graphing Data  |

