2-3 Notes: Histograms

**Histogram –** Is like a **\_\_\_\_\_\_\_\_\_\_** graph except that it is used to represent **\_\_\_\_\_\_\_\_\_\_** data so the bars are touching.

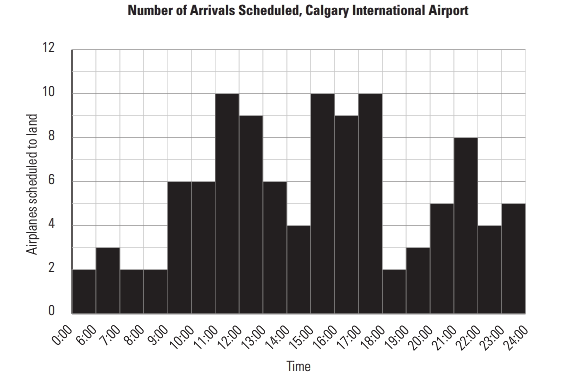
- The **\_\_\_\_\_\_\_\_\_\_\_\_** of each bar represents a range of numbers.

- the bars on a histogram are usually labeled with a lower and upper boundary.

**Lower Boundary –** the **­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_** value of the interval on a histogram

**Upper Boundary –** the **\_\_\_\_\_\_\_\_\_\_\_** value of the interval on a histogram

Example 1) The histogram below shows the number of airplanes scheduled to arrive at the Calgary International Airport on a particular day.

****

a) How many airplanes are scheduled to arrive between 2:00 pm and 3:00 pm?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) What are the busiest times at the airport? How many airplanes are scheduled to arrive at these times?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

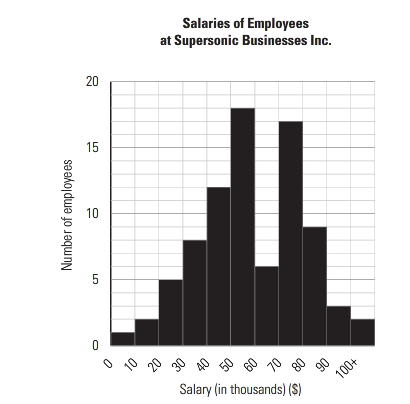
c) What is the quietest time?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

d) Are any airplanes scheduled to arrive between 4:00 am and 5:00 am?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Example 2) The histogram below shows the salaries of the employees at Supersonic Businesses Inc.



a) How many employees earn over $100 000.00?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

b) How many employees earn between $30 000.00 and $50 000.00?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

c) Do individuals have a good chance of getting a good salary with this company? Explain you answer.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**