

## **Section 3.9: Frequency Tables and Histograms**

### **Part I: Introduction to Frequency Tables and Histograms**

A frequency table is:

A histogram is:

### **Common Histograms**

2 Using the following data which represents the blood alcohol level of 60 students on a Saturday morning round up between 1am and 2am who were picked up by the police, do the following:

- Create a frequency table
- Draw a histogram from the frequency table (make sure to name the histogram and label the horizontal and vertical axis).

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 0    | 0    | 0    | 0    | 0    | 0    | 0.01 | 0.01 | 0.02 | 0.02 |
| 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 |
| 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.08 | 0.08 | 0.08 | 0.08 |
| 0.08 | 0.08 | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 0.1  | 0.1  | 0.12 | 0.13 | 0.15 | 0.18 | 0.2  | 0.2  | 0.2  | 0.21 |
| 0.24 | 0.26 | 0.3  | 0.32 | 0.32 | 0.32 | 0.38 | 0.39 | 0.40 | 0.45 |