

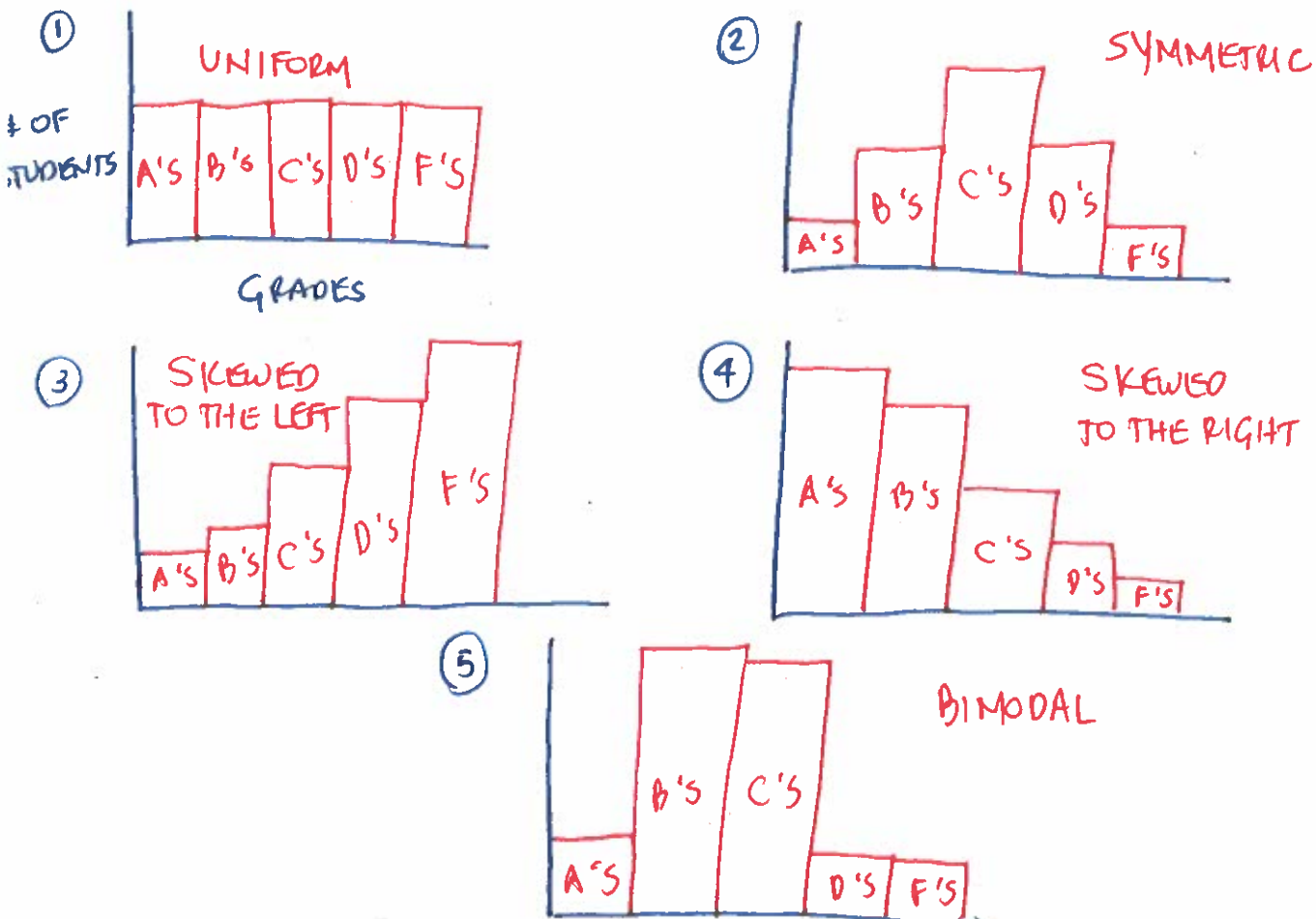
Section 3.9: Frequency Tables and Histograms

Part I: Introduction to Frequency Tables and Histograms

A frequency table is: A TABLE THAT TAKES LARGE AMOUNTS OF DATA AND BREAKS THE DATA INTO SMALLER GROUPS.

A histogram is: A GRAPH OF THE FREQUENCY TABLE.

Common Histograms



1. 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

FREQUENCY TABLE

<u>INTERVAL</u>	<u>FREQUENCY</u>
0 - 0.08	26
0.08 - 0.16	19
0.16 - 0.24	5
0.24 - 0.32	3
0.32 - 0.40	5
0.40 - 0.48	2

HISTOGRAM

