

1 (a)

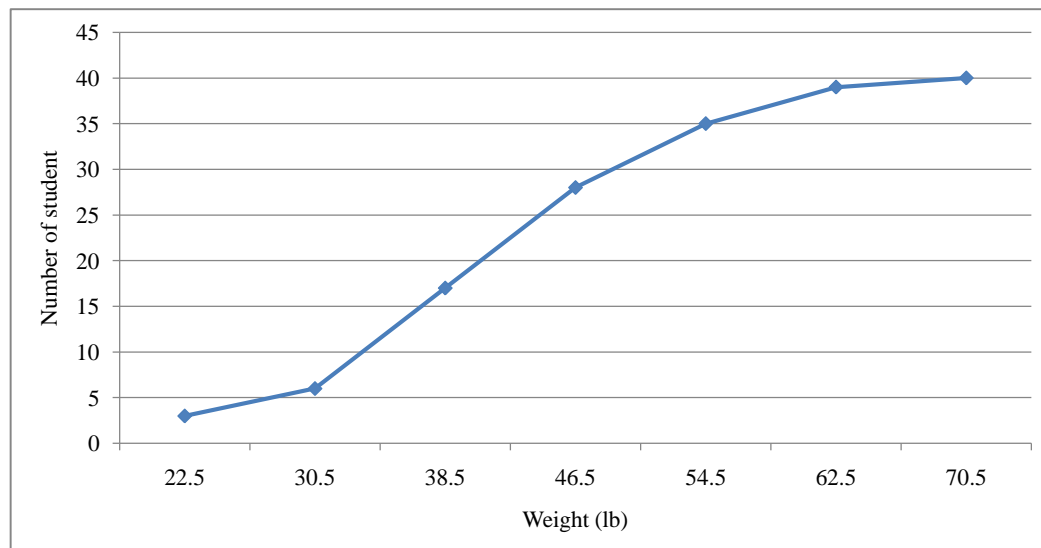
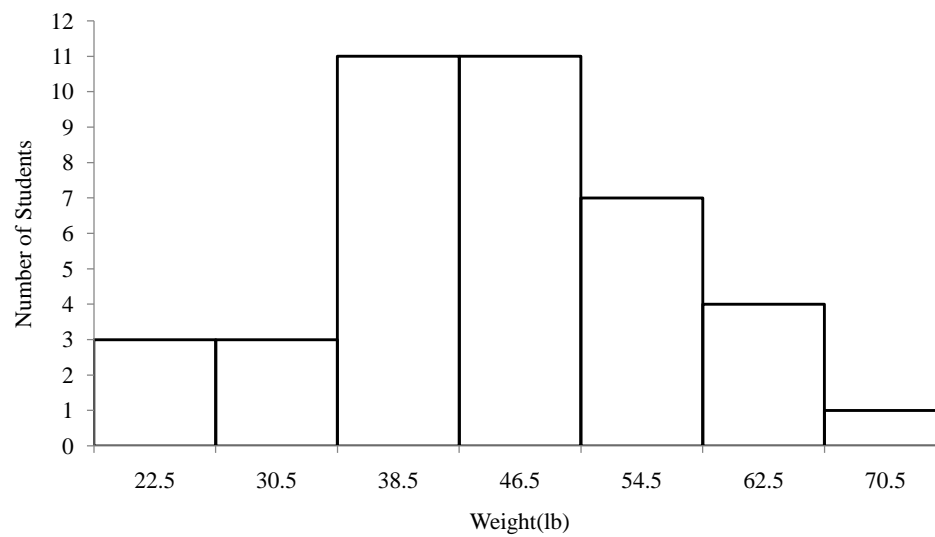
Largest number = 68

Smallest number = 19

Range = 68 - 19 = 49

class size = $49 / 6.161 = 7.953 \gg 8$

| Weigh(lb) | Mid point | Frequency | Cumulative Frequency |
|-----------|-----------|-----------|----------------------|
| 19 - 26 | 22.5 | 3 | 3 |
| 27 - 34 | 30.5 | 3 | 6 |
| 35 - 42 | 38.5 | 11 | 17 |
| 43 - 50 | 46.5 | 11 | 28 |
| 51 - 58 | 54.5 | 7 | 35 |
| 59 - 66 | 62.5 | 4 | 39 |
| 67 - 74 | 70.5 | 1 | 40 |



2 (a) The class limit 145-153 having the largest frequency.

(b) The percentage of Student less than 154lb = 72.5%

(c)

| Weight(lb) | Mid Point | Number of Students | Cumulative Frequency |
|------------|-----------|--------------------|----------------------|
| 118 - 126 | 122 | 6 | 6 |
| 127 - 135 | 131 | 10 | 16 |
| 136 - 144 | 140 | 18 | 34 |
| 145 - 153 | 149 | 24 | 58 |
| 154 - 162 | 158 | 10 | 68 |
| 163 - 171 | 167 | 8 | 76 |
| 172 - 180 | 176 | 4 | 80 |

