Solutions 2

①

200

Frequency

50

Cons.   NDP   Lib.   B.Q.   Green

Party

②

Party	Rel. Freq.
Cons.	$166/308 = 0.539$
NDP	0.334
Lib.	0.110
B.Q.	0.013
Green	0.003

$n = 308$

0.6

Rel.   0.5

Freq.   0.4

0.3

0.2

0.1

Cons.   NDP   Lib.   B.Q.   Green

Party
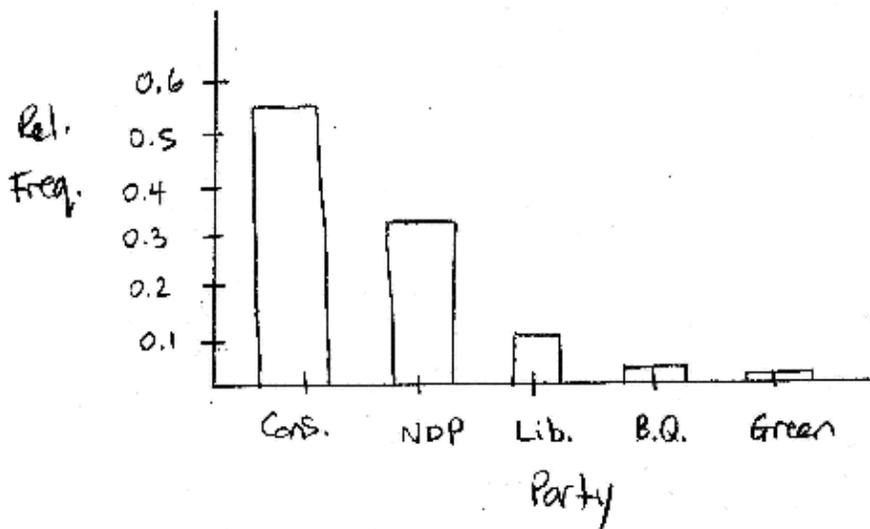
(3)

#	Rel. Freq.
0	14/121 ≃ 0.12
1	0.02
2	0.03
3	0.14
4	0.17
5	0.26
6	0.16
7	0.10

$n = 121$

# of study days
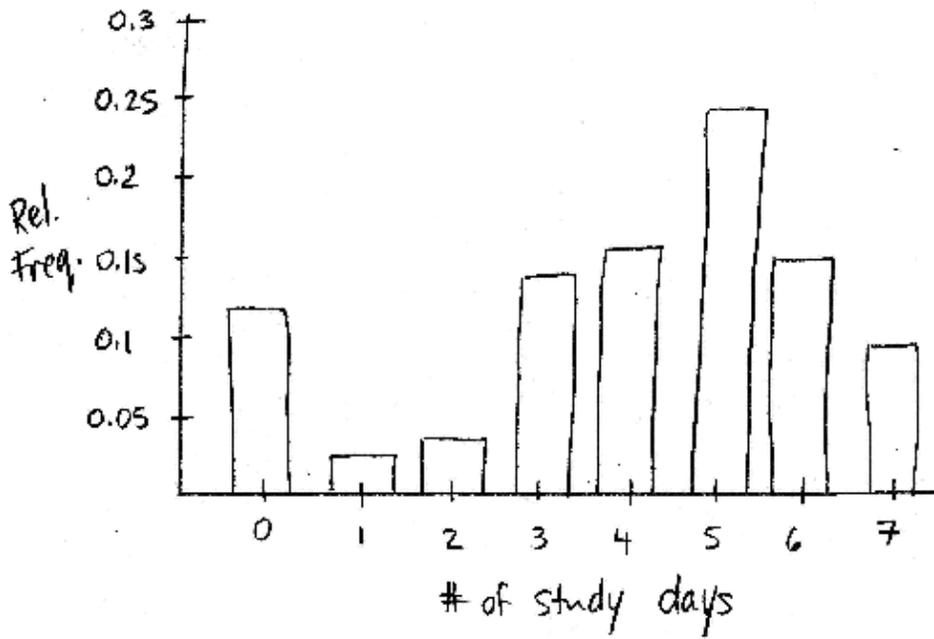
(4)

Height	Rel. Freq.
56 to <60	≈0.07
60 to <64	0.23
64 to <68	0.42
68 to <72	0.25
72 to <76	0.03

$n=60$

Rel. Freq.

0.5

0.2

0.1

56   60   64   68   72   76

Height (in.)
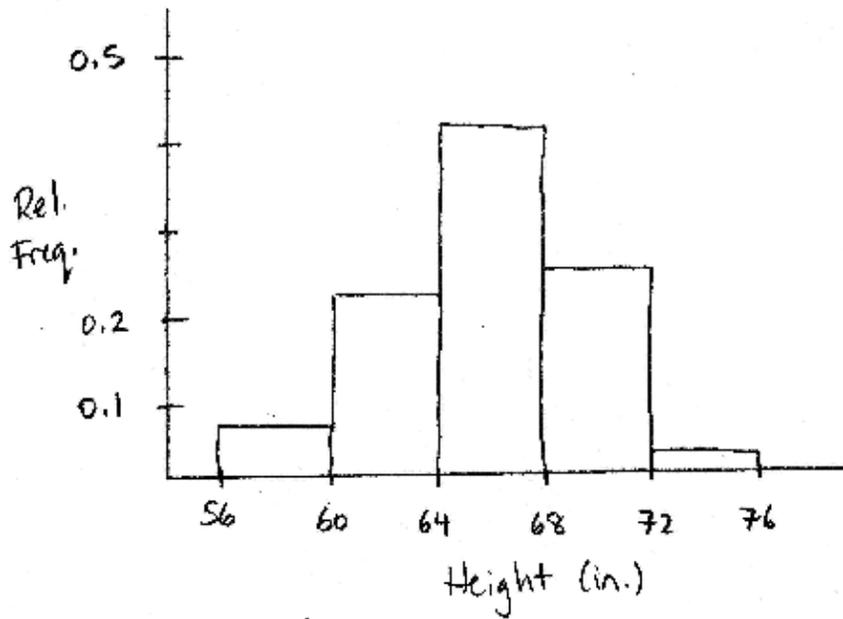
(5) The smallest measurement is 11.00
We want 5 classes of length 3

Hourly Wage	Freq.
11 to < 14	6
14 to < 17	4
17 to < 20	3
20 to < 23	3
23 to < 26	2
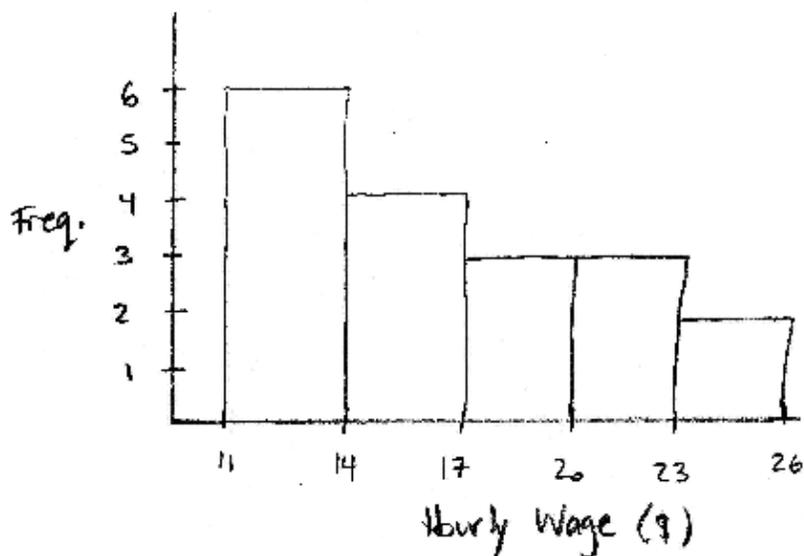
(6) Unimodal (one peak)
Skewed right (therefore not symmetric)

(7)

```
5 | 1 4
6 | 1 1 3
7 | 5 9 1
8 | 4 7 2 7
9 | 1 1
```

→

```
5 | 1 4
6 | 1 1 3
7 | 1 5 9
8 | 2 4 7 7
9 | 1 1
```

Unimodal
Skewed left
(therefore not symmetric)

(8)

```
5 | 8
6 | 2 2 8 5 7
7 | 5
8 | 1 1 2 4 5
9 | 1
```

→

```
5 | 8
6 | 2 2 5 7 8
7 | 5
8 | 1 1 2 4 5
9 | 1
```

Bimodal
Symmetric

(9)

5	8
6	3 2 2 8 5 7
7	5
8	3 1 1 2 4 5
9	6 7 1 5

→

5	8
6	2 2 3 5 7 8
7	5
8	1 1 2 3 4 5
9	1 5 6 7

Bimodal
Not symmetric
(Don't mention skew when the
shape is bimodal).

(10)

63	91
64	35 64 85 22 79
65	55 17
66	72 45
67	72 45 63
68	81 13 71
69	
70	09 04

→

63	91
64	22 35 64 79 85
65	17 55
66	45 72
67	45 63 72
68	13 71 81
69	
70	04 09

Unimodal
Skewed right
(therefore not symmetric)