

Seminar 8 (Suggested Solution)

a&b i. determine the no. of class
 $= 1 + 3.322 \log (70)$
 $= 7.1294$
 $\cong 7$

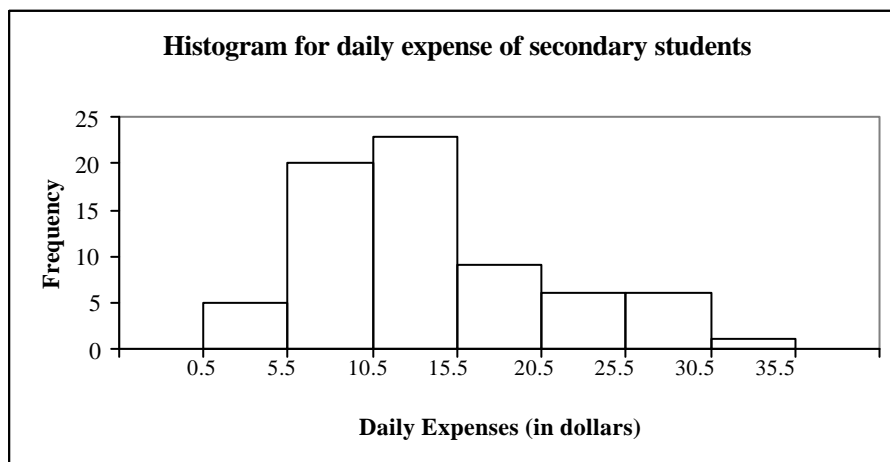
ii. determine class interval
 $= (33 - 2) / 7$
 $= 4.4286$
 $\cong 5$

iii. determine class boundaries

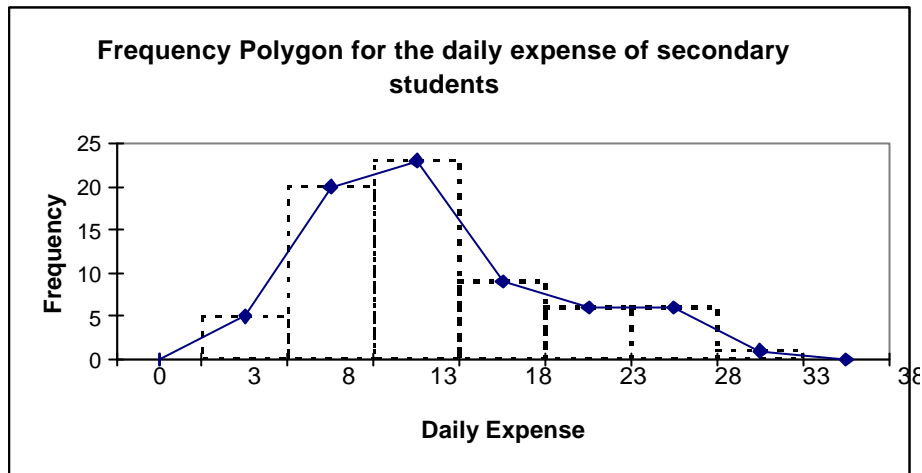
- 1 – 5
- 6 – 10
- 11 – 15
- 16 – 20
- 21 – 25
- 26 – 30
- 31 - 35

iv. count the frequency

Class	Mid-point	Frequency
1 – 5	3	5
6 – 10	8	20
11 – 15	13	23
16 – 20	18	9
21 – 25	23	6
26 – 30	28	6
31 – 35	33	1
Total		70

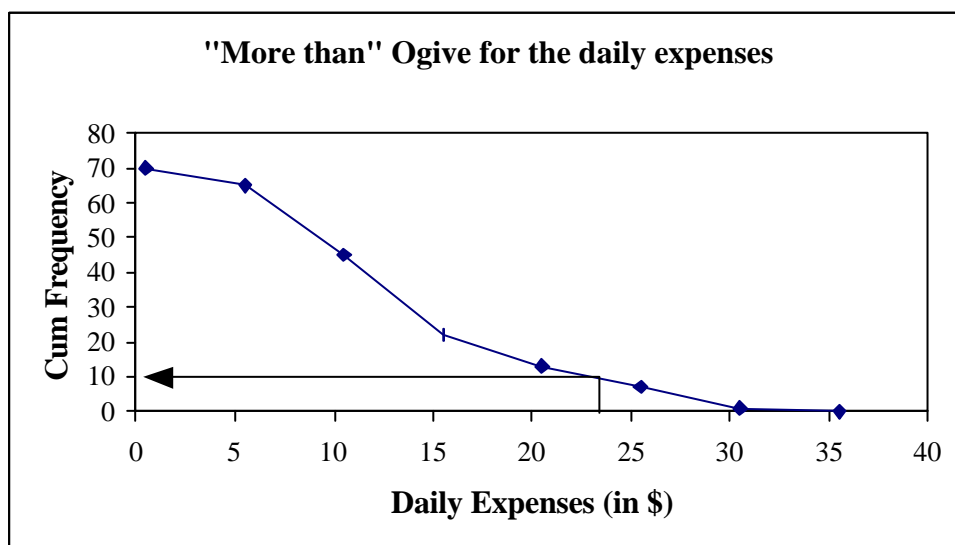


c.



d.

Class	Frequency
more than 0.5	70
more than 5.5	65
more than 10.5	45
more than 15.5	22
more than 20.5	13
more than 25.5	7
more than 30.5	1
more than 35.5	0



e. about 10 students spend more than 23 dollars each day.