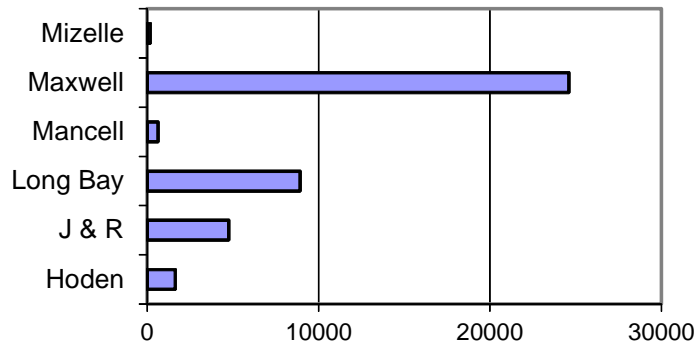


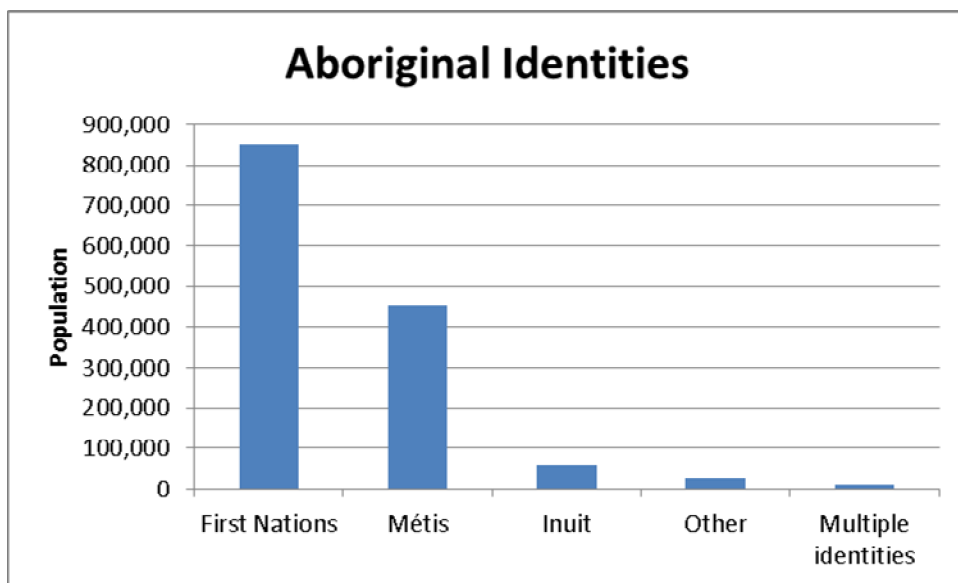
DESCRIBING DATA: FREQUENCY DISTRIBUTIONS AND GRAPHIC PRESENTATION

1. Maxwell Heating & Air Conditioning far exceeds the other corporations in sales. Mancell Electric & Plumbing and Mizelle Roofing & Sheet Metal are the two corporations with the least amount of fourth quarter sales.



Maxwell has the highest sales, and Mizelle the lowest. (LO2-2)

2. Three classes are needed, one for each player. (LO2-1)
3. There are four classes: winter, spring, summer, and fall.
The relative frequencies are 0.1, 0.3, 0.4, and 0.2, respectively. (LO2-1)
4. a.



(LO2-2)

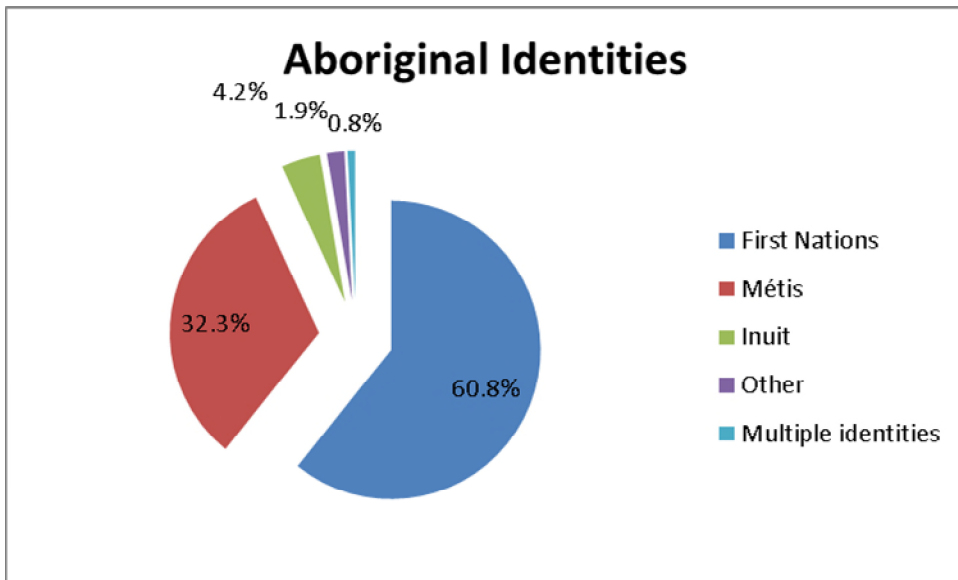
b.

Aboriginal Identity	Number	Relative Frequency	Percent
First Nations	851 560	0.608	60.8
Métis	451 795	0.323	32.3
Inuit	59 445	0.042	4.2
Other	26 475	0.019	1.9
Multiple identities	11 415	0.008	0.8

Aboriginal Identity	Number	Percent
First Nations	851 560	60.8
Métis	451 795	32.3
Inuit	59 445	4.2
Other	26 475	1.9
Multiple identities	11 415	0.8

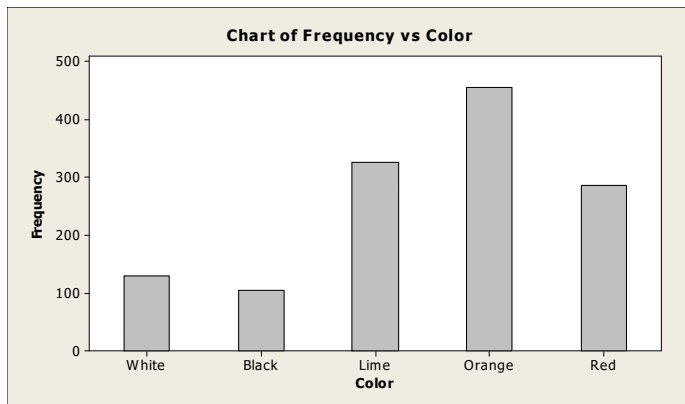
(LO2-1)

c.



(LO2-3)

5. a.

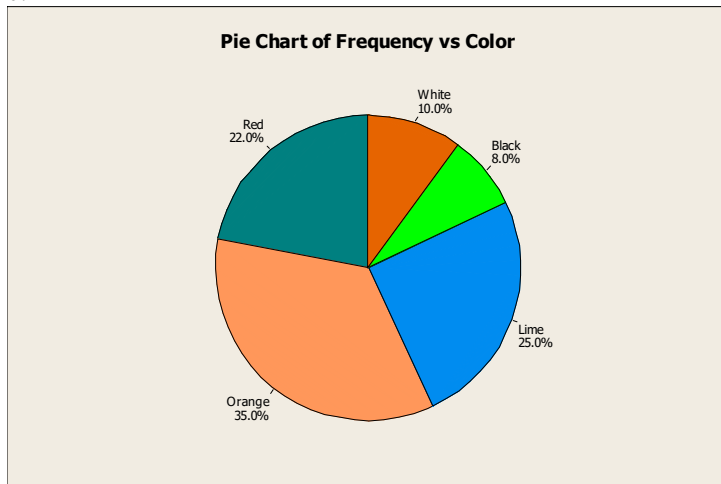


(LO2-2)

b.

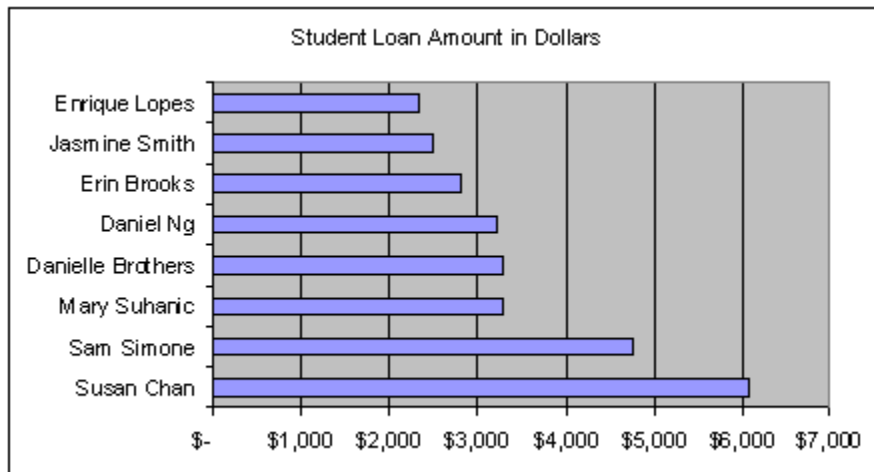
Type	Number	Relative Frequencies
Bright white	130	0.10
Metallic black	104	0.08
Magnetic lime	325	0.25
Tangerine orange	455	0.35
Fusion red	286	0.22
Total	1300	1.00 (LO2-1)

c.



(LO2-3)

6. Student loan amounts for 2014. Susan Chan's loan is the largest.



(LO2-2)

7. $2^5 = 32$, $2^6 = 64$; therefore 6 classes (LO2-4)
8. $2^5 = 32$, $2^6 = 64$ suggests 6 classes. $i \geq \frac{\$29 - \$0}{6} = 4.47$ Use interval of 5. (LO2-4)
9. $2^7 = 128$, $2^8 = 256$ suggests 8 classes $i \geq \frac{567 - 235}{8} = 41.5$ Use interval of 42 or 45. (LO2-4)
10. a. $2^5 = 32$, $2^6 = 64$ suggests 6 classes.
 b. $i \geq \frac{129 - 42}{6} = 14$ Use interval of 15 and start first class at 40. (LO2-4)
11. a. $2^4 = 16$ suggests 5 classes
 b. $(31 - 25)/5 = 6/5 = 1.2$ Use interval of 1.5
 c. 24

- d.
- | Units | f | Relative frequency |
|------------------|----------|--------------------|
| 24 to under 25.5 | 2 | 0.125 |
| 25.5 to under 27 | 4 | 0.250 |
| 27 to under 28.5 | 8 | 0.500 |
| 28.5 to under 30 | 0 | 0.000 |
| 30 to under 31.5 | <u>2</u> | <u>0.125</u> |
| Total | 16 | 1.000 |
- e. The largest concentration is in the 27 up to 28.5 class (8). **(LO2-4&5)**
- 12.
- a. $2^4 = 16$, $2^5 = 32$, suggest 5 classes
- b. $47/5 = 9.4$ Use interval of 10.
- c. 50
- d.
- | | f | Relative frequency |
|-----------------|----------|--------------------|
| 50 to under 60 | 4 | 0.20 |
| 60 to under 70 | 5 | 0.25 |
| 70 to under 80 | 6 | 0.30 |
| 80 to under 90 | 2 | 0.10 |
| 90 to under 100 | <u>3</u> | <u>0.15</u> |
| Total | 20 | 1.00 |
- e. The fewest number is about 50, the highest about 100. The greatest concentration is in classes 60 up to 70 and 70 up to 80. **(LO2-4&5)**
- 13.
- a.
- | Shoppers | f |
|----------------|----------|
| 0 to under 3 | 9 |
| 3 to under 6 | 21 |
| 6 to under 9 | 13 |
| 9 to under 12 | 4 |
| 12 to under 15 | 3 |
| 15 to under 18 | <u>1</u> |
| Total | 51 |
- b. The largest group of shopper's (21) shop at BiLo Supermarket 3, 4 or 5 times during a month and one customer visits the store as many as 15 times in a month.
- c.
- | Number of Shoppers | Percent of Total | Relative Frequency |
|--------------------|------------------|--------------------|
| 0 to under 3 | 17.65 | 0.1765 |
| 3 to under 6 | 41.18 | 0.4118 |
| 6 to under 9 | 25.49 | 0.2549 |
| 9 to under 12 | 7.84 | 0.0784 |
| 12 to under 15 | 5.88 | 0.0588 |
| 15 to under 18 | <u>1.96</u> | <u>0.0196</u> |
| Total | 100.00 | 1.0000 |
- (LO2-4&5)**
- 14.
- a. An interval of 10 is more convenient to work with. The distribution using 10 is:
- | | f |
|----------------|----------|
| 15 to under 25 | 1 |
| 25 to under 35 | 2 |
| 35 to under 45 | 5 |
| 45 to under 55 | 10 |
| 55 to under 65 | 15 |
| 65 to under 75 | 4 |
| 75 to under 85 | <u>3</u> |

Total 40

- b. Data tends to cluster in classes 45 up to 55 and 55 up to 65.
 c. Based on the distribution, the least spent is \$15 (actually \$18 from the raw data). The most spent was less than \$85. The largest concentration of spending is between \$45 up to \$65.

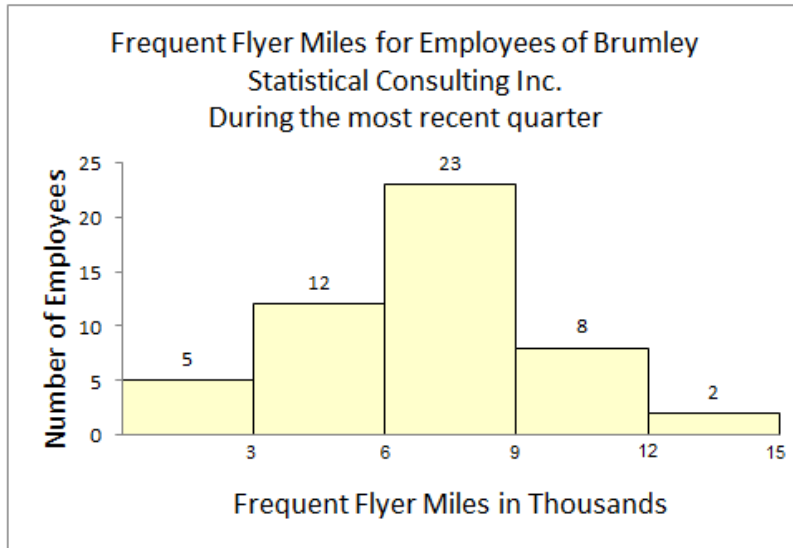
d.

<i>\$ Spent</i>	<i>Percent of Total</i>	<i>Relative Frequency</i>	
15 to under 25	2.5	0.025	
25 to under 35	5.0	0.050	
35 to under 45	12.5	0.125	
45 to under 55	25.0	0.250	
55 to under 65	37.5	0.375	
65 to under 75	10.0	0.100	
75 to under 85	7.5	<u>0.075</u>	
Total	100.0	1.000	(LO2-4&5)

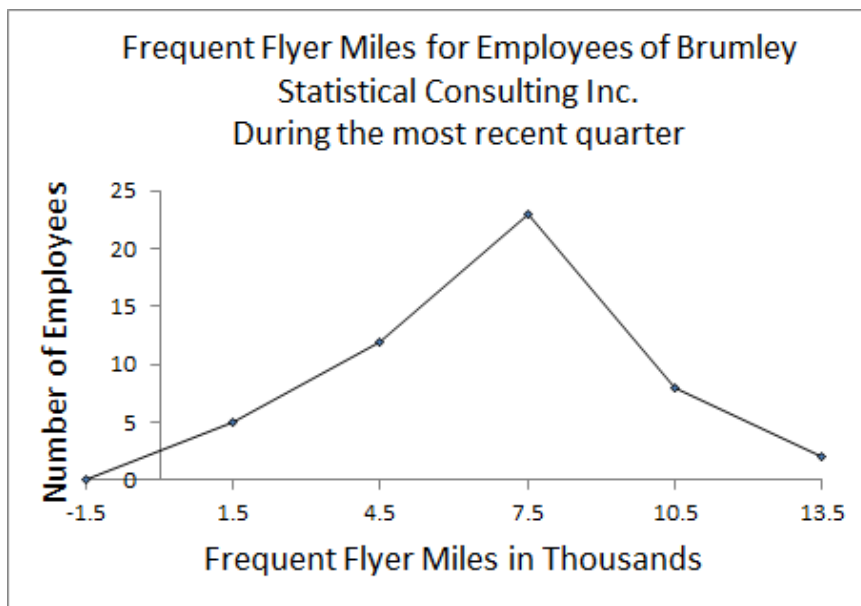
15. a. Histogram
 b. 100
 c. 5
 d. 28
 e. 0.28
 f. 12.5
 g. 13 (LO2-5&6)

16. a. 3
 b. approximately 27
 c. 84
 d. 2
 e. frequency polygon (LO2-6)

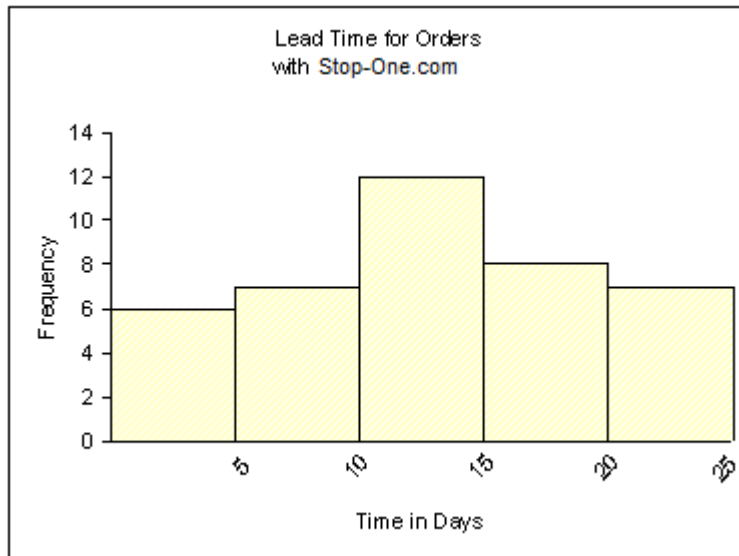
17. a. 50
 b. 1.5 thousands or 1500 miles
 c. Using lower limits on the X-axis



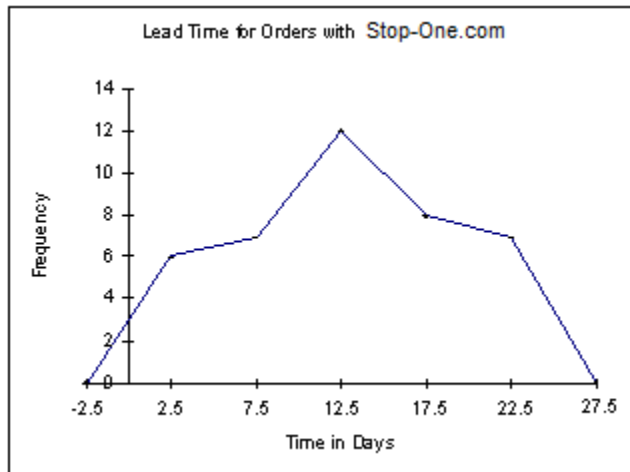
- d. 1.5, 5
e.



- f. Most between 6000-9000, even spread on both sides **(LO2-6)**
18. a. 40
b. 2.5
c. 2.5, 6 (always draw a frequency polygon using the midpoints)
d.



e.



f. Most orders take around 10-15 days. (LO26)

19. a. 40
 b. 5
 c. 11 or 12
 d. about \$18 per hour
 e. about \$9 per hour
 f. about 75% (LO2-7)

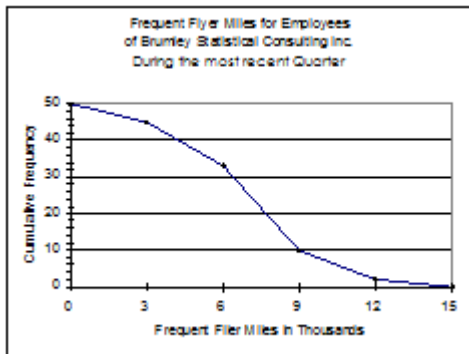
20. a. 200
 b. 50 or \$50,000
 c. approximately \$175,000
 d. about \$240,000
 e. about 60 homes
 f. about 130 homes (LO2-7)

21. a. 5
- b.
- | Miles | <i>f</i> | Cumulative Frequency
Less than |
|----------------|----------|-----------------------------------|
| 0 to under 3 | 5 | 5 |
| 3 to under 6 | 12 | 17 |
| 6 to under 9 | 23 | 40 |
| 9 to under 12 | 8 | 48 |
| 12 to under 15 | 2 | 50 |
- c.



d. about 8500 miles (LO2-7)

22. a.
- | Miles | f | More than |
|----------------|-----|-----------|
| 0 to under 3 | 5 | 50 |
| 3 to under 6 | 12 | 45 |
| 6 to under 9 | 23 | 33 |
| 9 to under 12 | 8 | 10 |
| 12 to under 15 | 2 | 2 |
- b.



c. about 7500 miles (LO2-7)

23. a. 13, 25
- b.
- | Lead Time | f | Cumulative Frequency Less than |
|----------------|-----|--------------------------------|
| 0 to under 5 | 6 | 6 |
| 5 to under 10 | 7 | 13 |
| 10 to under 15 | 12 | 25 |
| 15 to under 20 | 8 | 33 |
| 20 to under 25 | 7 | 40 |
- c.



- d. About 14 days
e. 27; 15 **(LO2-7)**

24. a.

Lead Time	f	More than
0 to under 5	6	40
5 to under 10	7	34
10 to under 15	12	27
15 to under 20	8	15
20 to under 25	7	7
- b.



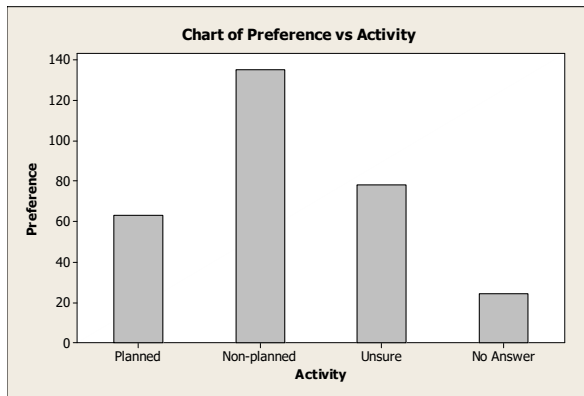
- c. About 18 days **(LO2-7)**

25. a. 621 to 629
b. 5
c. 621, 623, 623, 627, 629 **(LO2-8)**

26. a. 210 - 219
b. 6
c. 210, 211, 213, 215, 217, 219 **(LO2-8)**

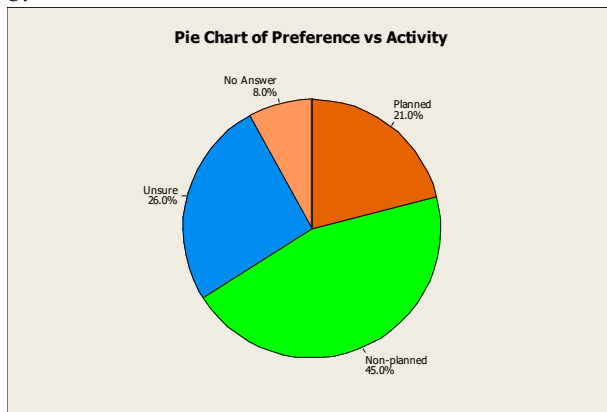
27. a. 25
b. 1
c. 38, 106
d. 60, 61, 63, 63, 65, 65, 69
e. No values
f. 9

- g. 9
h. 76
i. 16 (LO2-8)
28. a. 50
b. one
c. 126, 270
d. 155, 158, 159
e. No values
f. 13
g. 12
h. 193.5
i. 19 (LO2-8)
29. Stem Leaves
0 5
1 28
2
3 0024789
4 12366
5 2
There were a total of 16 calls studied. The number of calls ranged from 5 to 52 received.
Typical was 30-39 calls, smallest was 5, largest was 52 (LO2-8)
30. Stem Leaves
3 6
4 7
5 22499
6 0113458
7 035678
8 0344447
9 055
The daily usage ranged from 36 to 95. In a typical day the ATM is typically used
between 52-87 times, smallest was 36, largest was 95; clustered between 52-87 times
(LO2-8)
31. a. Qualitative variables are ordinarily nominal level of measurement, but some are ordinal.
Quantitative variables are commonly of interval or ratio level of measurement.
b. Yes, both types depict samples and populations. (LO2-1)
32. a.



(LO2-2)

b.



(LO 2-3)

c. Both are readable, but the pie chart may be easier to comprehend.

(LO2-2 & 2-3)

33. $2^6 = 64$ and $2^7 = 128$ suggest 7 classes **(LO2-4)**
34. $2^7 = 128$, $2^8 = 256$ suggests 8 classes. $i \geq \frac{490-56}{8} = 54.25$ Use interval of 55. **(LO2-4)**
35. a. 5 because $2^4 = 16 < 25$ and $2^5 = 32 > 25$
 b. $i \geq \frac{48-16}{5} = 6.4$ use interval of 7.
 c. 15
 d.

<i>Class</i>	<i>Frequency</i>
15 to under 22	3
22 to under 29	8
29 to under 36	7
36 to under 43	5
43 to under 50	<u>2</u>
	25

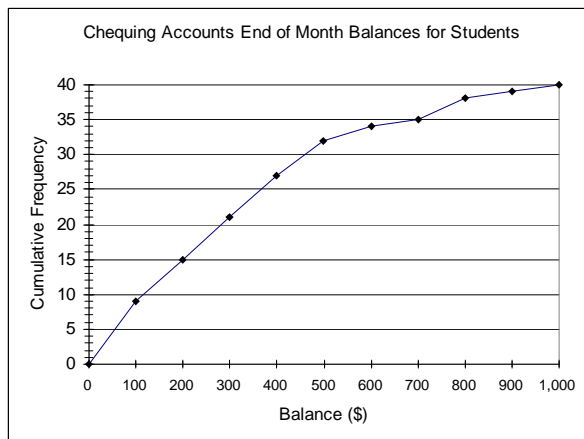
 d. The values are clustered between 22 and 36. **(LO2-4)**
36. a. 6 because $2^5 = 32 < 45$ and $2^6 = 64 > 45$
 b. 90, found by $\frac{570-41}{6} = 88.17$
 c. 40
 d.

<i>Class</i>	<i>Frequency</i>
40 to under 130	6
130 to under 220	10
220 to under 310	17
310 to under 400	8
400 to under 490	3
490 to under 580	<u>1</u>
	45

(LO2-4)
37. a. 70
 b. 1
 c. 0, 145
 d. 30, 30, 32, 39
 e. 24
 f. 21
 g. 77.5
 h. 25 **(LO2-8)**
38. a. 55
 b. two
 c. 91, 237
 d. 141, 143, 145
 e. 8
 f. 12
 g. three
 h. 180 **(LO2-8)**

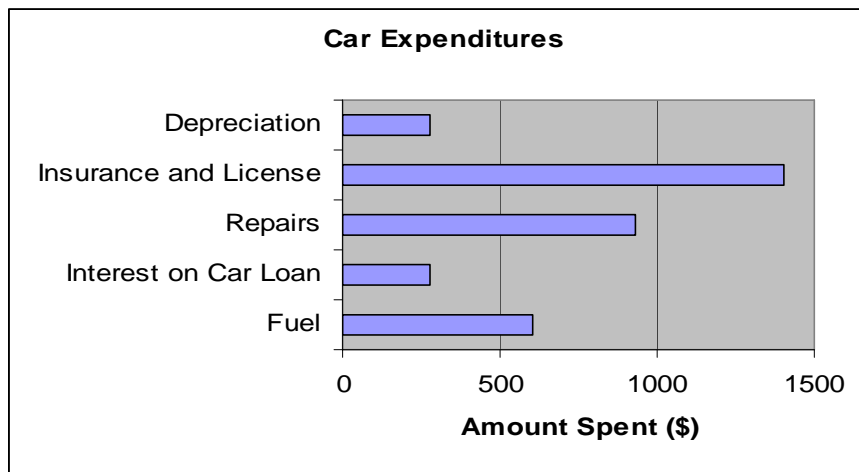
39. a. 56
b. 10 (found by $60 - 50$)
c. 55
d. 17 (LO2-6)
40. a. less-than frequency diagram or ogive
b. 250
c. 50 (found by $100 - 50$)
d. approx \$240,000
e. approx \$230,000 (LO2-7)
41. a. \$36.60, (found by $265 - 82)/5$
b. approx \$40
c. \$80 to under \$120 8
120 to under 160 19
160 to under 200 10
200 to under 240 6
240 to under 280 1
Total 44
d. The purchases ranged from a low of about \$80 to a high of about \$280. The concentration is in the \$120 to under \$160 class. (LO2-4)
42. a. *Student Chequing Accounts End of Month Balances*
- | Balance | <i>f</i> | <i>CF</i> |
|-------------------|----------|-----------|
| 0 to under 100 | 9 | 9 |
| 100 to under 200 | 6 | 15 |
| 200 to under 300 | 6 | 21 |
| 300 to under 400 | 6 | 27 |
| 400 to under 500 | 5 | 32 |
| 500 to under 600 | 2 | 34 |
| 600 to under 700 | 1 | 35 |
| 700 to under 800 | 3 | 38 |
| 800 to under 900 | 1 | 39 |
| 900 to under 1000 | 1 | 40 |
| Total | 40 | |
- Probably a class interval of \$200 would be better.

b.



- c. About 67% have less than a \$400 balance. Therefore, about 33% would be considered “preferred.”
- d. Approx \$50 would be a convenient cutoff point. (LO2-4 & 2-6)

43.

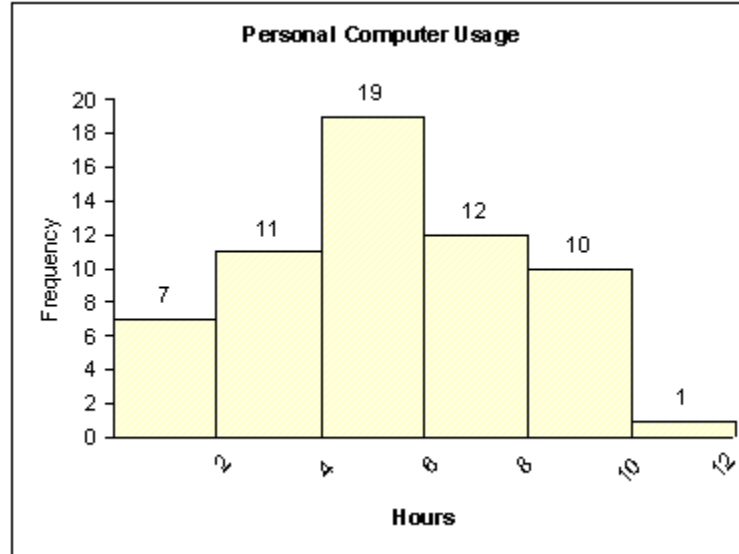


A pie chart is also acceptable. From the graph we can see that insurance and license fees are the highest expense at close to \$1500 per year. (LO2-2)

44. a. Since $2^2 = 32$, $2^6 = 64$, and $60 < 64$, 6 classes are recommended. The interval should be at least $(10.1 - 0.4)/6 = 1.6$. So we will use 2 as a convenient value.

<i>Personal Computer Usage (Hours)</i>							<i>cumulative</i>	
<i>lower</i>		<i>upper</i>	<i>midpoint</i>	<i>width</i>	<i>frequency</i>	<i>percent</i>	<i>Frequency</i>	<i>percent</i>
0	<	2	1	2	7	11.7	7	11.7
2	<	4	3	2	11	18.3	18	30.0
4	<	6	5	2	19	31.7	37	61.7
6	<	8	7	2	12	20.0	49	81.7
8	<	10	9	2	10	16.7	59	98.3
10	<	12	11	2	1	1.7	60	100.0
					60	100.0		

b.

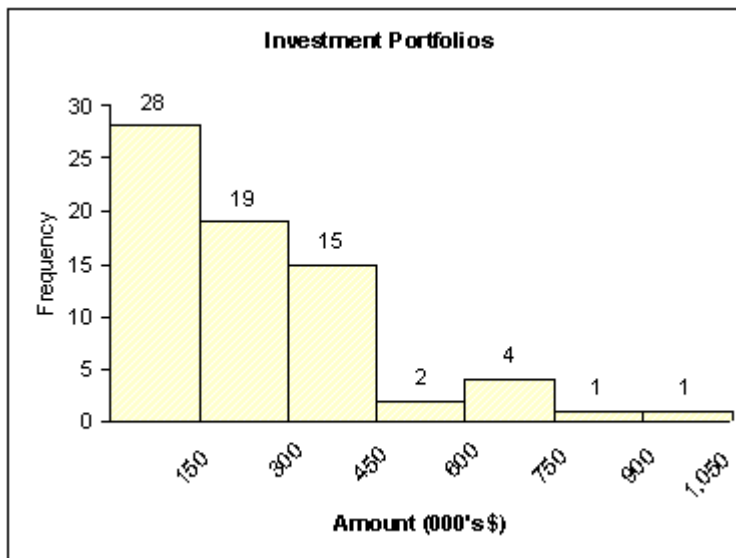


Interpretations will vary. The “typical” person used the computer about 5 hours per week and nearly everyone is within about five hours. (LO2-4&2-6)

45. a. Since $2^6 = 64 < 70 < 128 = 2^7$, 7 classes are recommended. The interval should be at least $(1002.2 - 3.3)/7 = 142.7$; use 150 as a convenient value.

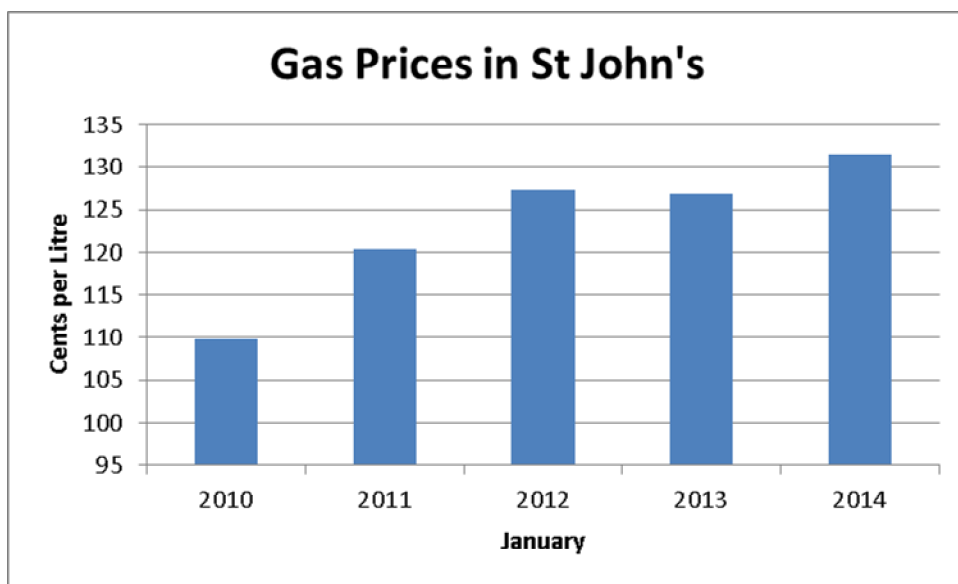
<i>Investment Portfolios</i>							<i>cumulative</i>	
<i>lower</i>		<i>upper</i>	<i>midpoint</i>	<i>width</i>	<i>Frequency</i>	<i>percent</i>	<i>frequency</i>	<i>percent</i>
0	<	150	75	150	28	40.0	28	40.0
150	<	300	225	150	19	27.1	47	67.1
300	<	450	375	150	15	21.4	62	88.6
450	<	600	525	150	2	2.9	64	91.4
600	<	750	675	150	4	5.7	68	97.1
750	<	900	825	150	1	1.4	69	98.6
900	<	1,050	975	150	1	1.4	70	100.0
					70	100.0		

b.



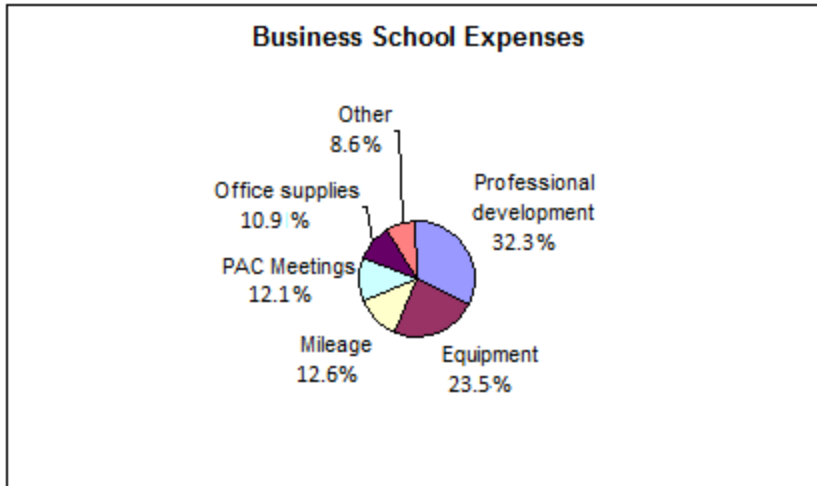
There will be many answers for the interpretation. (LO2-4&2-6)

46.



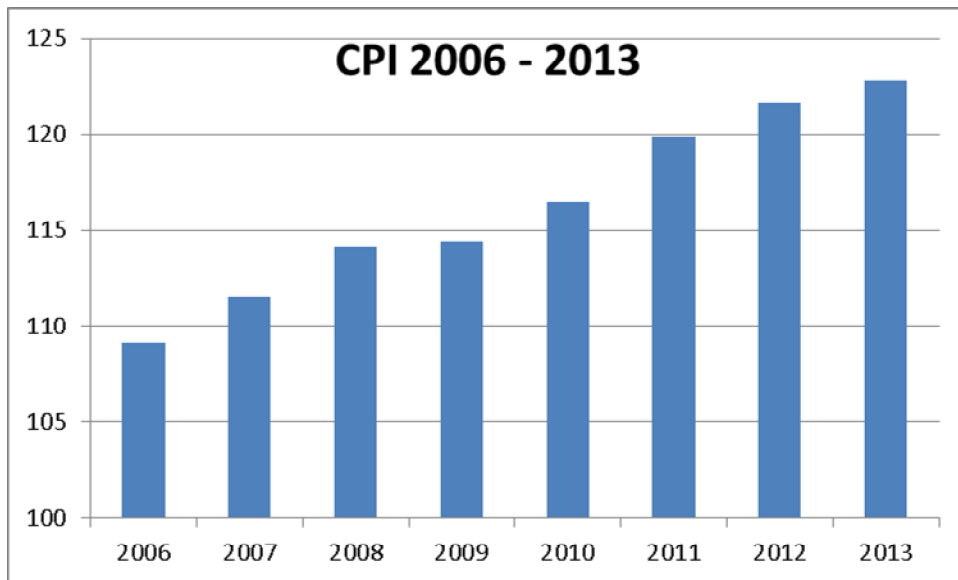
(LO2-2)

47.



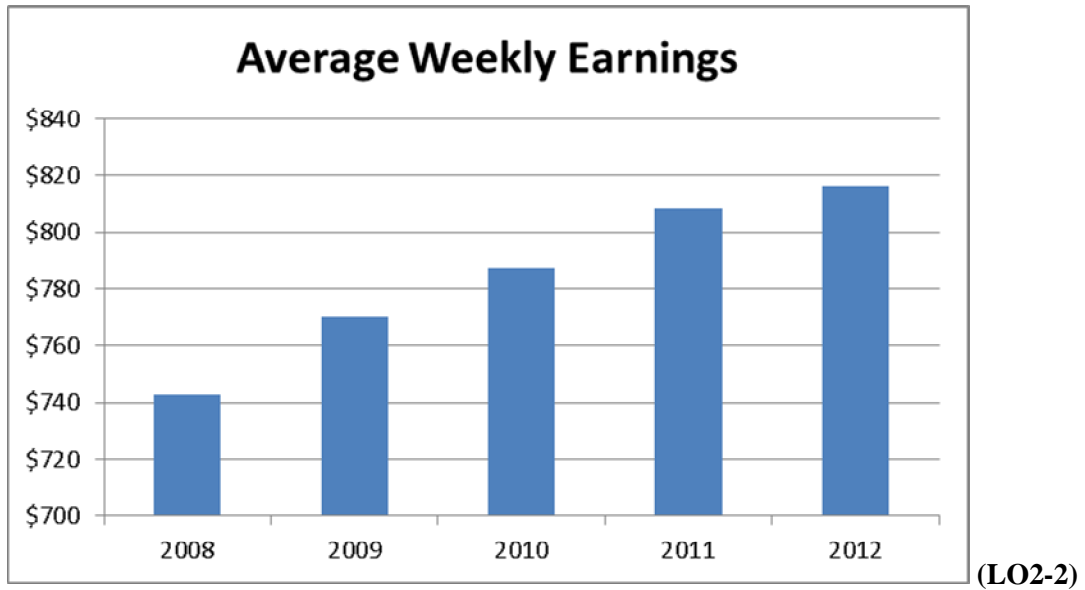
Professional development is the largest expense. (LO2-3)

48.

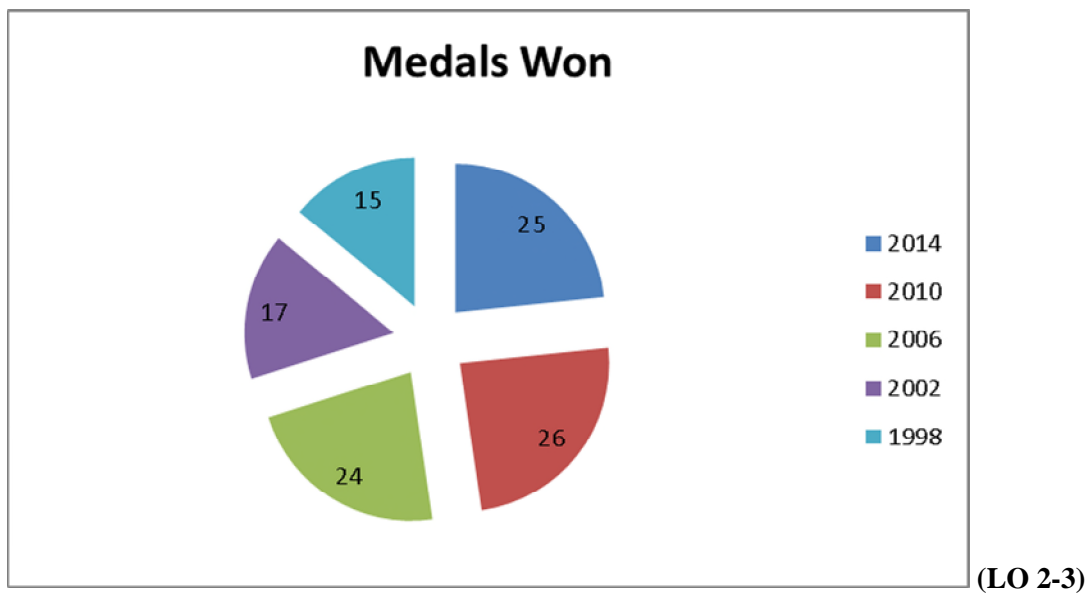


(LO 2-2)

49.

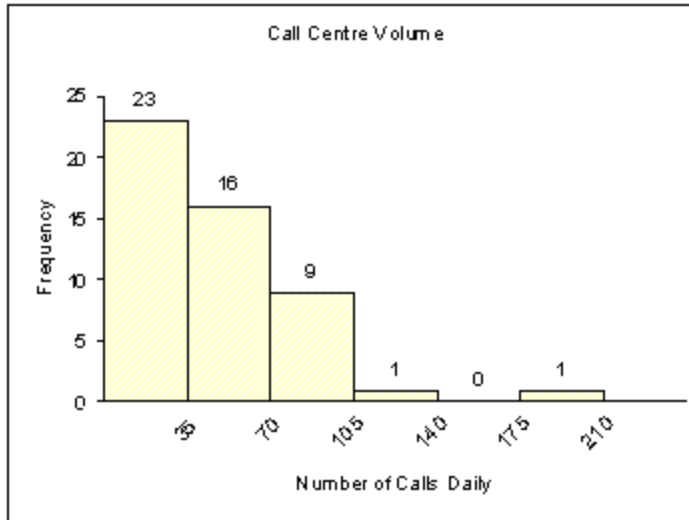


50. Canada won the most medals in 2010 at 26, but 2014 is a very close second with 25 medals won.



Note: a bar chart is also acceptable.

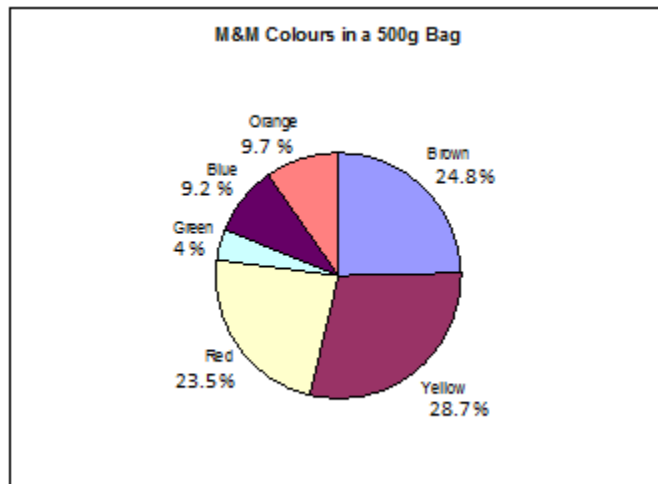
51. There are 50 observations so the recommended number of classes is 6.



Twenty-three of the 50 days, or 46%, have fewer than 35 calls waiting. There are two days that have more than 105 calls waiting. **(LO2-4,6&7)**

52. There will be many answers. The following pie chart shows the breakdown of the six colours. About 77% of the candies are either brown, yellow or red. Each of these colours represents about 25% of the total. The percent of orange and blue is less than 10% each. About 4% of the candies are green.

(LO2-3)



53. a. $2^5 = 32 < 36 < 64 = 2^6$. Thus 6 classes are recommended.
 b. The interval width should be at least 2, found by $(15-3) / 6$. Use 2.2 for convenience and to ensure there are only 6 classes
 c. 2.2
 d.

Class	Frequency
2.2 to under 4.4	2
4.4 to under 6.6	7
6.6 to under 8.8	11
8.8to under 11	7
11 to under 13.2	7
13.2 to under 15.4	2

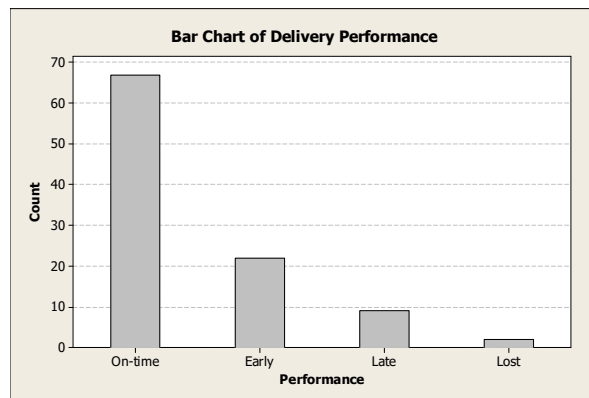
1	

- e. The distribution is slightly right-skewed with the largest concentration in the class of 6.6 up to 8.8. **(LO2-4)**

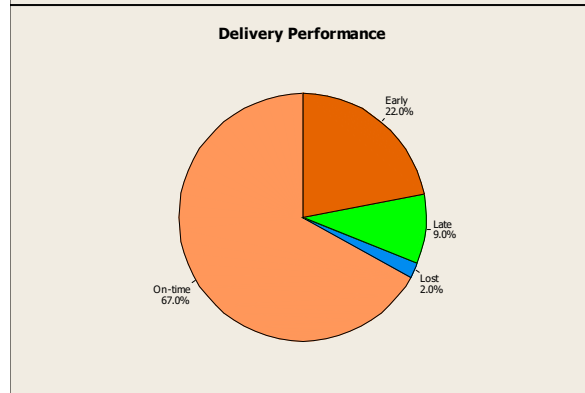
54. a. ordinal and qualitative.
b.

Performance	Relative Frequency
Early	.22
On-time	.67
Late	.09
Lost	.02

c.



d.



- e. 89% of the packages are either early or on-time and 2% of the packages are lost. So they are missing both of their objectives. They must eliminate all lost packages and reduce the late percentage to below 1%. (LO2-2, 2-3 & 2-5)

55.

- a. $2^5 = 32 < 45 < 64 = 2^6$. Thus 6 classes are recommended.
 b. The interval width should be at least 1.5, found by $(10-1)/6$. Use 2 for simplicity.
 c. 0
 d.

Class	Frequency
0 to under 2	1
2 to under 4	5
4 to under 6	12
6 to under 8	17
8 to under 10	8
10 to under 12	2

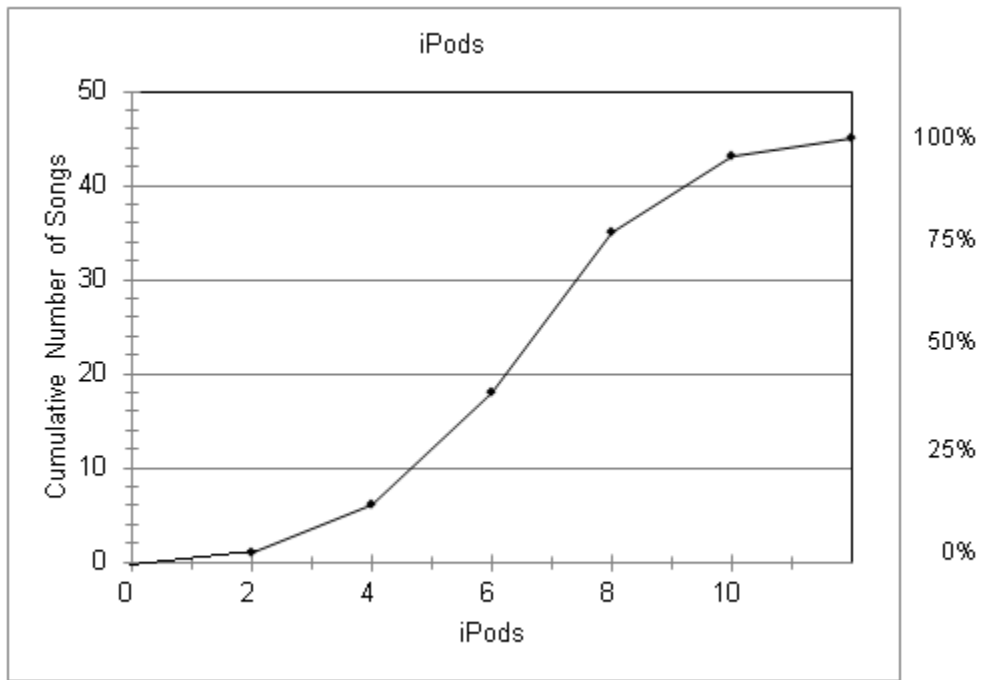
The distribution is fairly symmetric or "bell-shaped" with a large peak in the middle two classes of 4 up to 8.

e.

Class	Frequency
Less than 0	0
Less than 2	1
Less than 4	6
Less than 6	18

Less than 8	35
Less than 10	43
Less than 12	45

f.

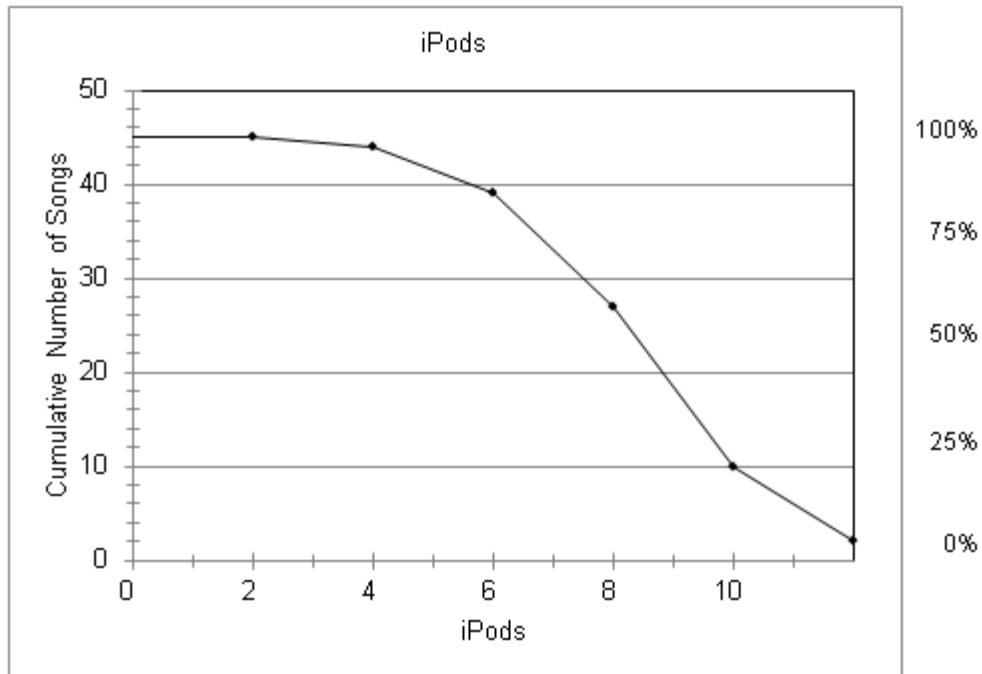


g. About 28

h.

Class	Frequency
More than 0	45
More than 2	44
More than 4	39
More than 6	27
More than 8	10
More than 10	2
More than 12	0

i.



- i. About 32 **(LO 2-4 & 2-7)**

56.

Class	Frequency
0 to under 200	19
200 to under 400	1
400 to under 600	4
600 to under 800	1
800 to under 1000	2

This distribution is skewed with a large number of observations in the first class. Notice that the top 19 tunes account for 1323 plays out of a total of 5387 or about 73% of all plays. **(LO2-4)**

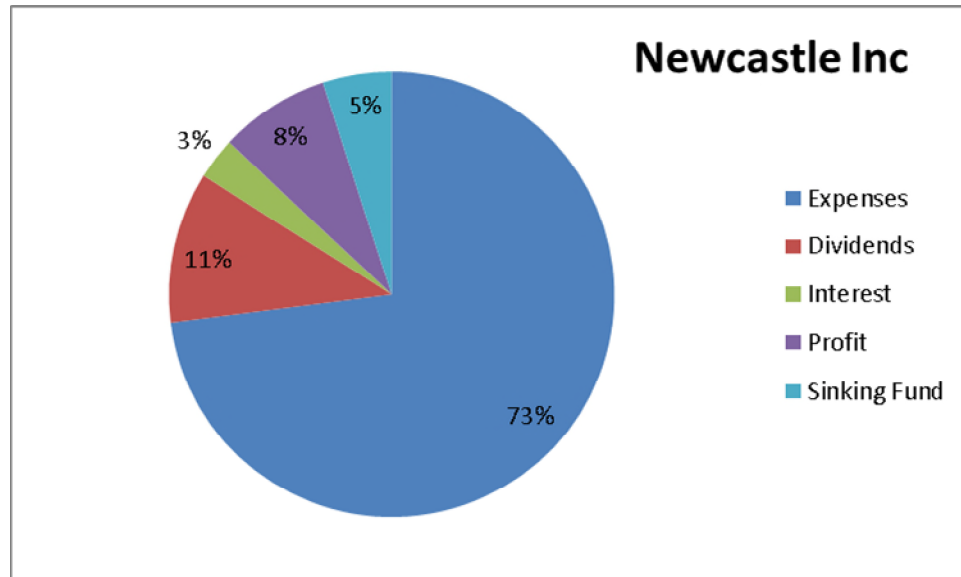
57. a. $2^5 = 32 < 33 < 64 = 2^6$. Thus 6 classes are recommended.
 b. The interval width should be at least 1253, found by $(7829-312) / 6$. Use 1500 for simplicity.
 c. 0
 d.

Class	Frequency
0 to under 1500	1
1500 to under 3000	2
3000 to under 4500	0

4500 to under 6000	7
6000 to under 7500	20
7500 to under 9000	3

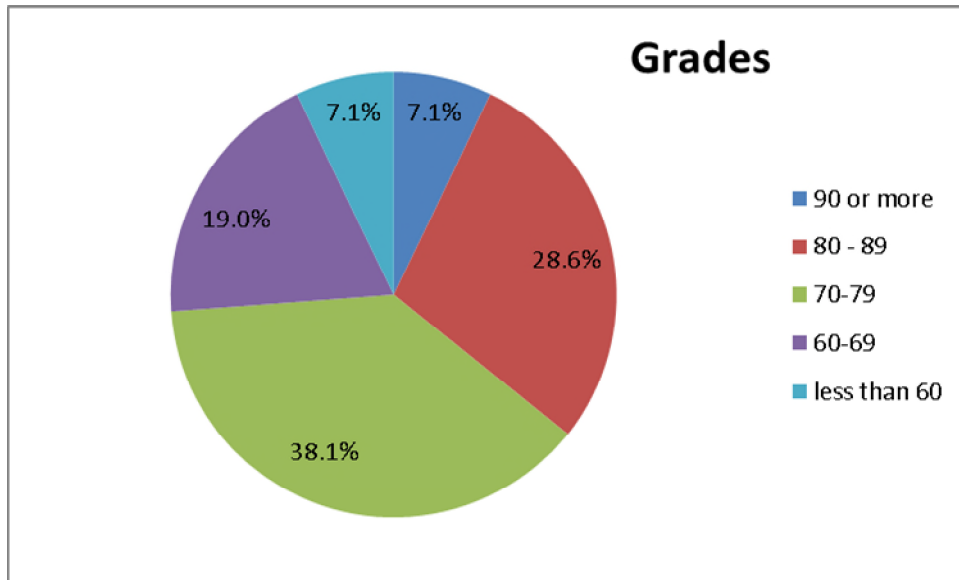
- e. This distribution is skewed with a few very small values which likely correspond to the “start up” phase of this publication. Most observations fall in the 6000 up to 7500 class which contains 20 of the 33 (60.6%) months. **(LO 2-4)**

58.



By far the largest part of sales revenue goes towards operating expenses. **(LO2-3)**

59.

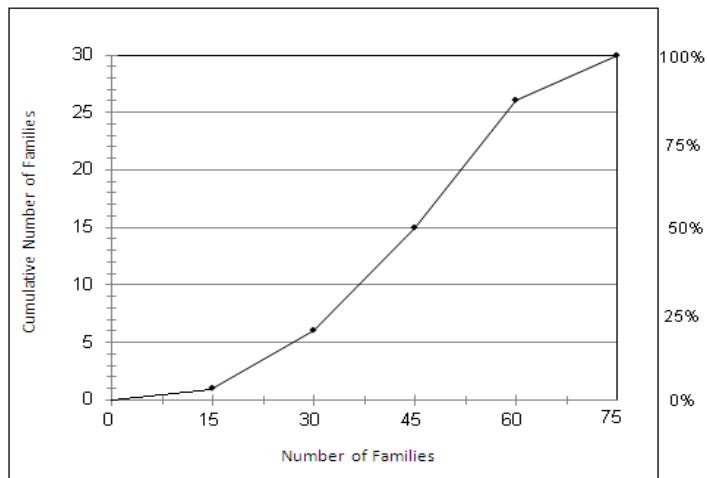


The largest group had grades between 70 and 79 (38.1%). Three students (7.1%) had grades at 90 or more and 3 students had grades less than 60. **(LO 2-3)**

60. a.

Class	Cumulative Frequency
Less than 0	0
Less than 15	1
Less than 30	6
Less than 45	15
Less than 60	26
Less than 75	30

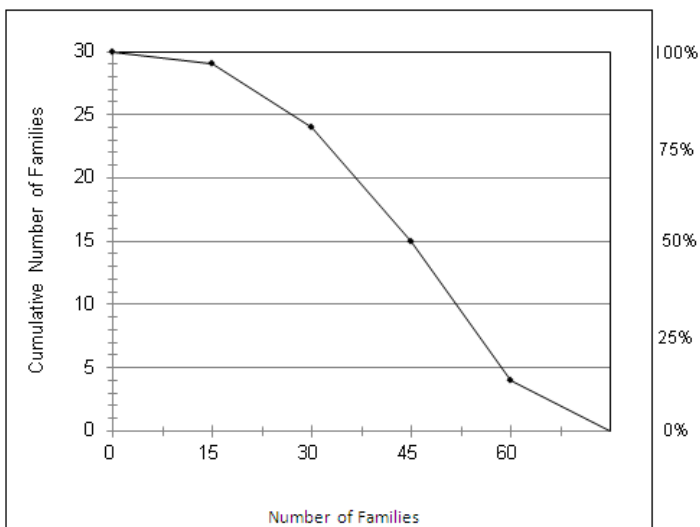
b.



- c. 6 days saw fewer than 30.
- d. The highest 80% of the days had at least 30 families.
- e.

Class	Cumulative Frequency
More than 0	30
More than 15	29
More than 30	24
More than 45	15
More than 60	4
More than 75	0

f.



g. About 27; about 12 (LO 2-7)

61.

City	Frequency	Relative Frequency
Vancouver	100	0.05
Calgary	450	0.225
Edmonton	1300	0.65
Saskatoon	150	0.075
	<hr/> 2000	

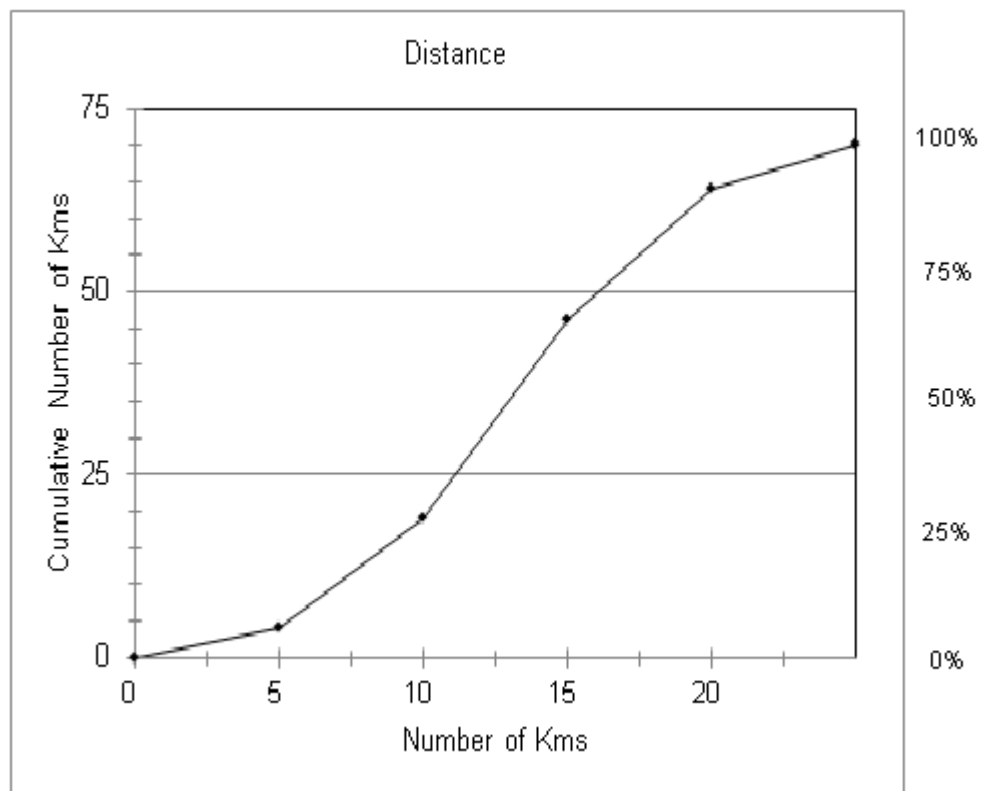
The preference among frequent business travelers is definitely Edmonton (65%). The least preferred is Vancouver (5%). **(LO 2-5)**

62. a. approximately 180
 b. 400
 c. $23/180 = .128$
 d. $(32+19)/180 = .283 = 28.3\%$
 e. 2000,45 **(LO2-2, 2-4, 2-5 & 2-6)**

63. a.

	<i>frequency</i>	<i>cumulative frequency</i>
Less than 0	0	0
Less than 5	4	4
Less than 10	15	19
Less than 15	27	46
Less than 20	18	64
Less than 25	6	70

b.



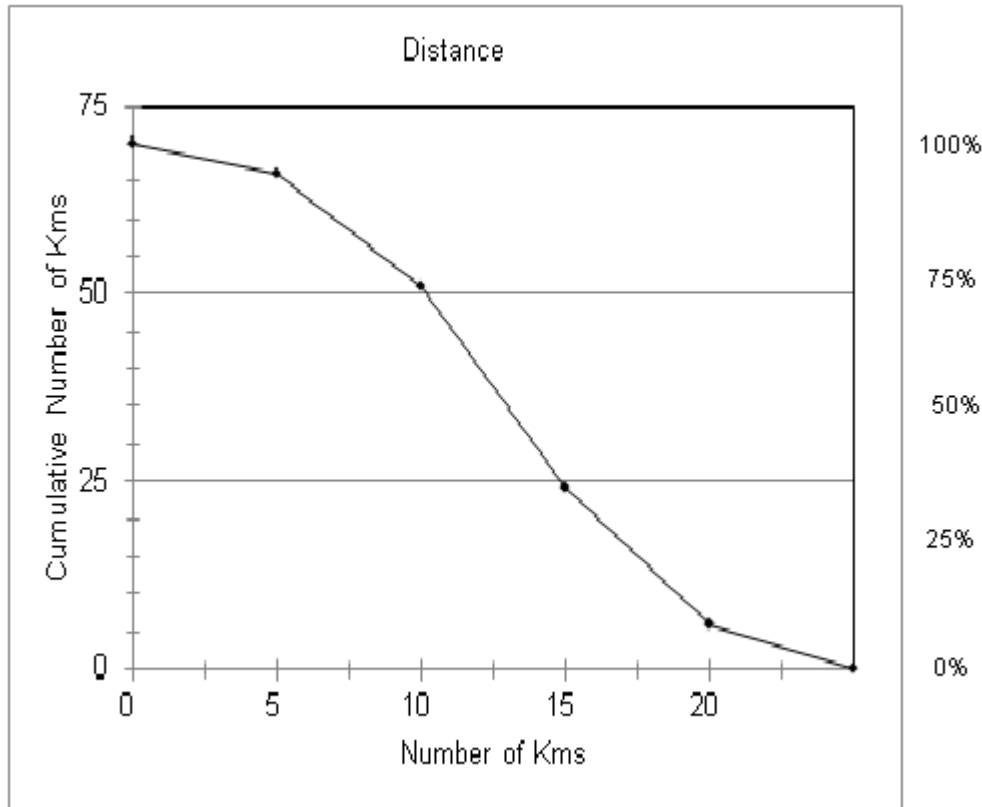
c. About 30; about 60

d.

	<i>frequency</i>	<i>cumulative frequency</i>
More than 0	0	70
More than 5	4	66

More than 10	15	51
More than 15	27	24
More than 20	18	6
More than 25	6	0

e.



f. About 25% (LO 2-7)

64. Answers will vary depending on how the data is organized. One possible frequency distribution created using MegaStat is:

a.

n = 172

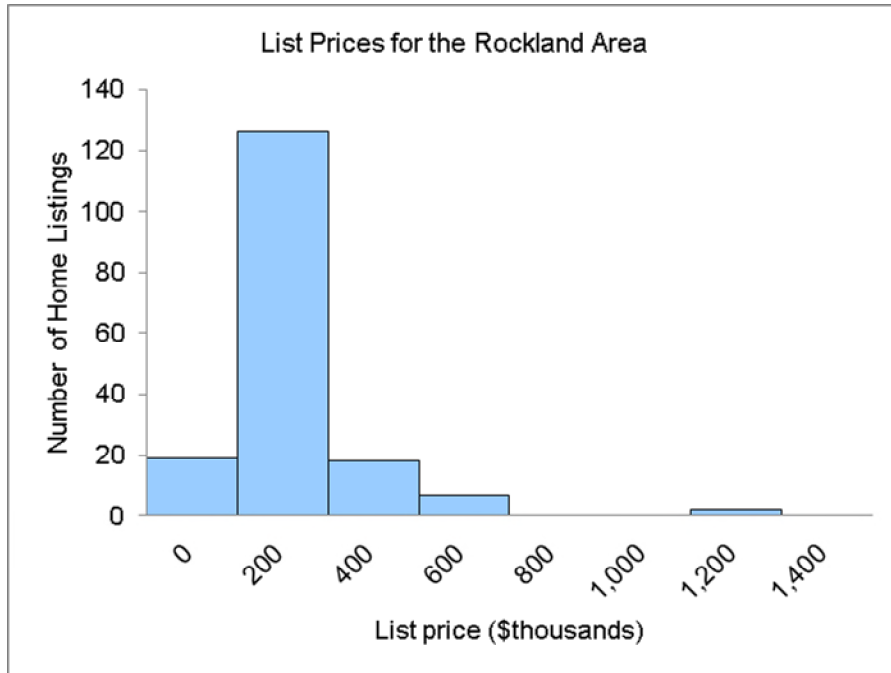
use 8 classes

interval = $(1338000 - 3300) / 8 = 163125$

Frequency Distribution – Quantitative

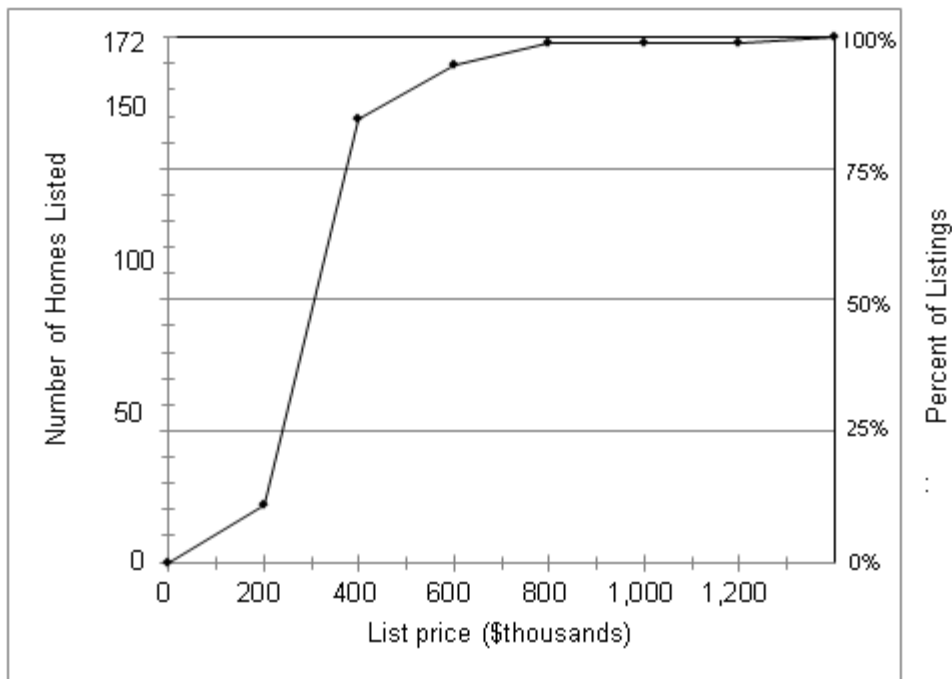
<i>List Price</i>							<i>cumulative</i>	
<i>Lower</i>		<i>upper</i>	<i>midpoint</i>	<i>width</i>	<i>frequency</i>	<i>percent</i>	<i>frequency</i>	<i>percent</i>
0	<	200,000	100,000	200,000	19	11.0	19	11.0
200,000	<	400,000	300,000	200,000	126	73.3	145	84.3
400,000	<	600,000	500,000	200,000	18	10.5	163	94.8
600,000	<	800,000	700,000	200,000	7	4.1	170	98.8
800,000	<	1,000,000	900,000	200,000	0	0.0	170	98.8
1,000,000	<	1,200,000	1,100,000	200,000	0	0.0	170	98.8
1,200,000	<	1,400,000	1,300,000	200,000	2	1.2	172	100.0

b.



1. the list prices are clustered in the 2nd class between \$200 000 to under \$400 000.
2. the list prices range from \$0 to under \$1 400 000

c.



1. about 55 homes

2. about 88%.

d.

For the stem-and-leaf output, please see the data set exercise answers for this question.

1. list prices are clustered between \$200 000 and \$390 000.

2. the smallest value is \$40 000; the largest is \$1 300 000.

(LO2-4, 2-6, 2-7 & 2-8)

65. **(LO 2-4)**

a.

min = 500

max = 5200

interval = $(5200-500)/7 = 671$

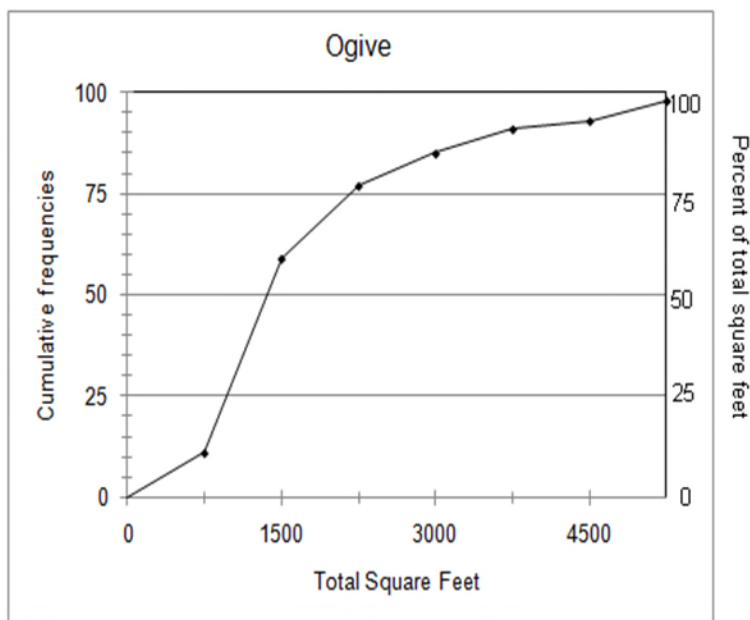
use 750 as the interval

<i>Total Square Feet</i>		
<i>lower</i>	<i>upper</i>	<i>frequency</i>

0	<	750	11
750	<	1,500	48
1,500	<	2,250	18
2,250	<	3,000	8
3,000	<	3,750	6
3,750	<	4,500	2
4,500	<	5,250	5

1. A typical size is from 750 to 1500. The range of the data is from about 0 to under 5250.
 2. There are 7 values between 3750 and 5250 square feet. These values are much larger than the typical number of square feet.
- b.

<i>Total Square Feet</i>					
<i>Lower</i>		<i>upper</i>	frequency	less-than	more-than
0	<	750	11	11	98
750	<	1,500	48	59	87
1,500	<	2,250	18	77	39
2,250	<	3,000	8	85	21
3,000	<	3,750	6	91	13
3,750	<	4,500	2	93	7
4,500	<	5,250	5	98	5



Frequency	Stem	Leaf
19	0	5 5 5 5 6 6 7 7 7 7 7 7 7 8 8 8 8 9 9
53	1	0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 2 2 2 2 2
13	1	3 3 3 3 3 3 3 3 3 3 3 4 4 5 5 6 6 6 6 6 6 7 8 9 9
6	2	1 1 1 1 1 2 2 2 2 3 4 4 5 8
4	3	0 2 2 3 5 6
3	4	0 3 7 8
98	5	0 2 2

1. The values are clustered between 1100 and 1900.
2. smallest = 500; largest = 5200
3. Answers will vary but should contain the above information.

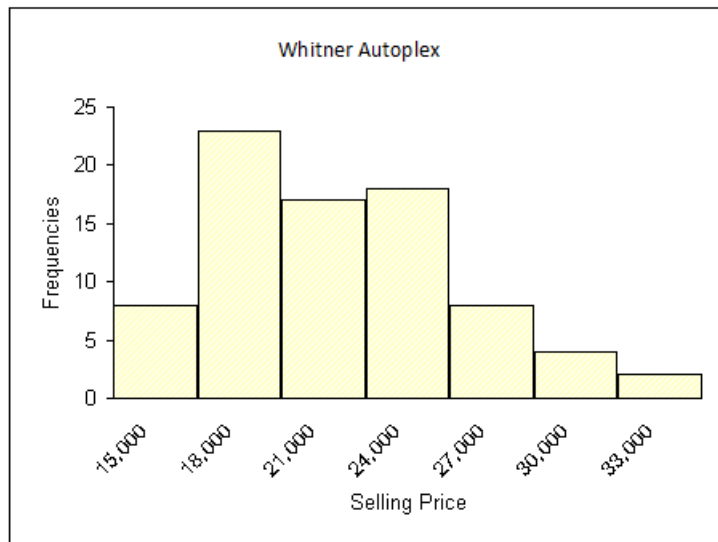
b.

d.

CASE (LO2-4 & 2-6)

Answers may vary.

<i>Price</i>						<i>cumulative</i>		
<i>lower</i>		<i>upper</i>	<i>Midpoint</i>	<i>width</i>	<i>frequency</i>	<i>percent</i>	<i>frequency</i>	<i>percent</i>
15,000	<	18,000	16,500	3,000	8	10.0	8	10.0
18,000	<	21,000	19,500	3,000	23	28.8	31	38.8
21,000	<	24,000	22,500	3,000	17	21.3	48	60.0
24,000	<	27,000	25,500	3,000	18	22.5	66	82.5
27,000	<	30,000	28,500	3,000	8	10.0	74	92.5
30,000	<	33,000	31,500	3,000	4	5.0	78	97.5
33,000	<	36,000	34,500	3,000	2	2.5	80	100.0
					80	100.0		



The selling prices range from about \$15 000 to about \$36 000. The selling prices are concentrated between \$18 000 and \$27 000. A total of 58, or 72,5%, of the vehicles sold within this range. The highest frequency is in the \$18 000 to under \$21 000 class. So we say that a typical selling price is \$19 500. Six vehicles sold for less than \$18 000, and two sold for more than \$33 000.