

Construct a circle graph for each set of data.

Sporting Goods Sales	
shoes	44%
apparel	30%
equipment	26%

2.

Energy Use in Home	
heating/cooling	51%
appliances	28%
lights	21%

3.

Household Income	
primary job	82%
secondary job	9%
investments	5%
other	4%

Students in North High School	
freshmen	30%
sophomores	28%
juniors	24%
seniors	18%

5.

Number of Siblings	
0	25%
1	45%
2	20%
3	5%
4	2%
5+	3%

6.

Household Expenses	
food	45%
housing	30%
utilities	15%
other	10%

Extra Practice

Lesson 9-4

Find the mean, median, mode, and range for each set of data. Round to the nearest tenth if necessary.

1. 2, 7, 9, 12, 5, 14, 4, 8, 3, 10
2. 58, 52, 49, 60, 61, 56, 50, 61
3. 122, 134, 129, 140, 125, 134, 137
4. 36, 41, 43, 45, 48, 52, 54, 56, 56, 57, 60, 64, 65
5. 3, 9, 14, 3, 0, 2, 6, 11
6. 6, 3, 1, 8, 7, 2
7. 11, 15, 21, 11, 6, 10, 11
8. 21, 20, 19, 20, 18, 21, 23, 25
9. 1, 3, 2, 1, 1, 2, 2, 2, 3
10. 23, 35, 42, 26, 27, 29, 31, 29, 27
11. 32.1, 33.5, 31.5, 37.8
12. 25.5, 26.7, 20.9, 23.4, 26.8, 24.0, 25.7
13. 98.6, 97.9, 98.1, 100.1, 100.2
14. 10.1, 12.3, 11.4, 15.6, 7.3, 10.1

Lesson 9-5

Find the range, median, upper and lower quartiles, interquartile range, and any outliers for each set of data.

1. 15, 12, 21, 18, 25, 11, 17, 19, 20
2. 2, 24, 6, 13, 8, 6, 11, 4
3. 189, 149, 155, 290, 141, 152
4. 451, 501, 388, 428, 510, 480, 390
5. 22, 18, 9, 26, 14, 15, 6, 19, 28
6. 245, 218, 251, 255, 248, 241, 250
7. 46, 45, 50, 40, 49, 42, 64
8. 128, 148, 130, 142, 164, 120, 152, 202
9. 2, 3, 2, 6, 4, 14, 13, 2, 6, 3
10. 88, 84, 92, 93, 90, 96, 87, 97
11. 2, 3, 5, 4, 3, 3, 2, 5, 6
12. 6, 7, 9, 10, 11, 11, 13, 14, 12, 11, 12
13. 117, 118, 120, 109, 117, 117, 100
14. 12, 14, 17, 19, 13, 16, 17
15. 378, 480, 370, 236, 361, 394, 345, 328, 388, 339
16. 80, 91, 82, 83, 77, 79, 78, 75, 75, 88, 84, 82, 61, 93, 88, 85, 84, 89, 62, 79
17. 195, 121, 135, 123, 138, 150, 122, 138, 149, 124, 149, 151, 152