Stem and Leaf Plot Worksheet

Statistics and Probability

Grades 6 to 8

Skill Questions

Name: ……………………………………….

Date: ……………………………………….
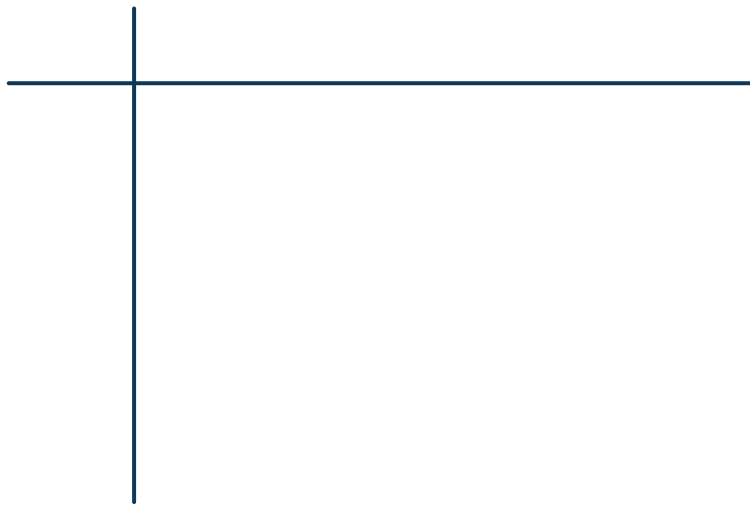
1 The data below shows the number of chapters a group of 7th graders read in one week.

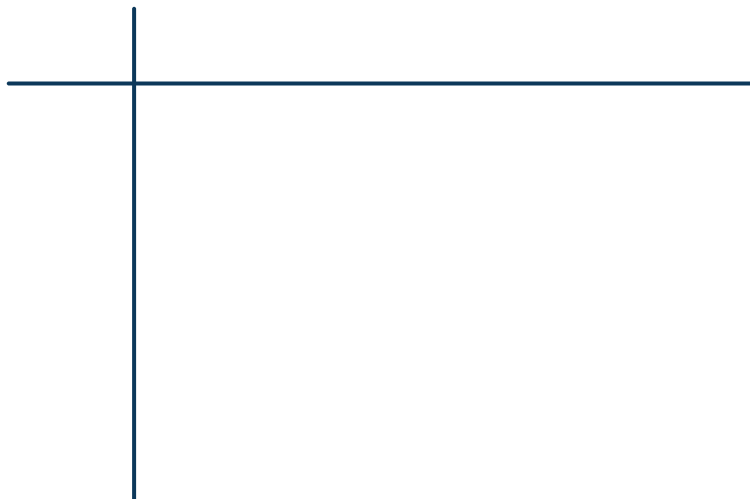2, 4, 9, 12, 1, 3, 8, 8, 1, 10

Complete the stem and leaf plot for the data, including a key.

2 The data below shows the number of firepits a company sells each day.

45, 55, 76, 55, 54, 77, 41, 51, 88, 78

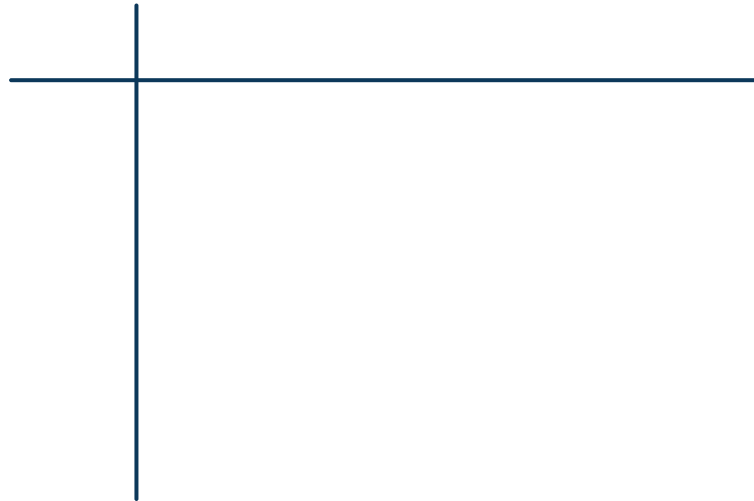Complete the stem and leaf plot for the data, including a key.

3 The data below shows the number of dogs that Wally's Dog Day Care had each month.

113, 102, 145, 123, 125
110, 108, 131, 141, 125

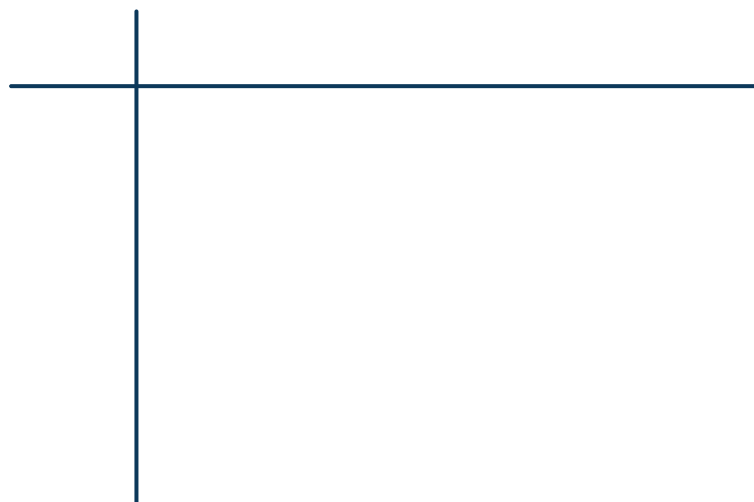Complete the stem and leaf plot for the data, including a key.

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4 The data below represents the data recorded by a football coach with the number of pounds his football team could leg press.

325, 350, 325, 325, 350
300, 300, 325, 350, 350

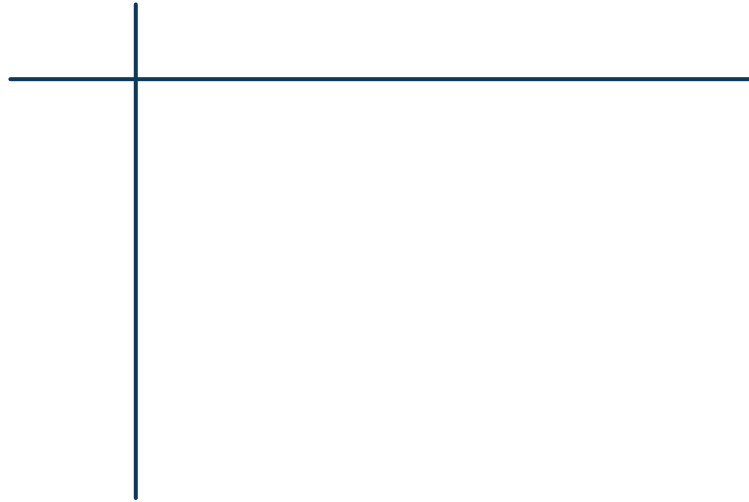Complete the stem and leaf plot for the data, including a key.

5 The data below shows the gymnastics rankings for the top 10 universities.

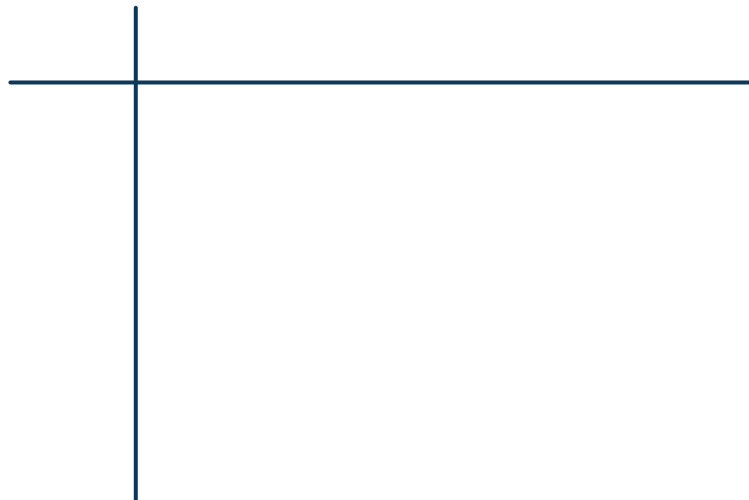198.1, 197.7, 197.9, 197.8, 196.7,
196.5, 196.4, 195.4, 195.8, 196.4

Complete the stem and leaf plot for the data, including a key.

6 The data below shows the results from the men's 200m race.

21.7, 22.2, 22.2, 22.6, 22.7,
22.8, 24.0, 23.5, 24.1, 23.9

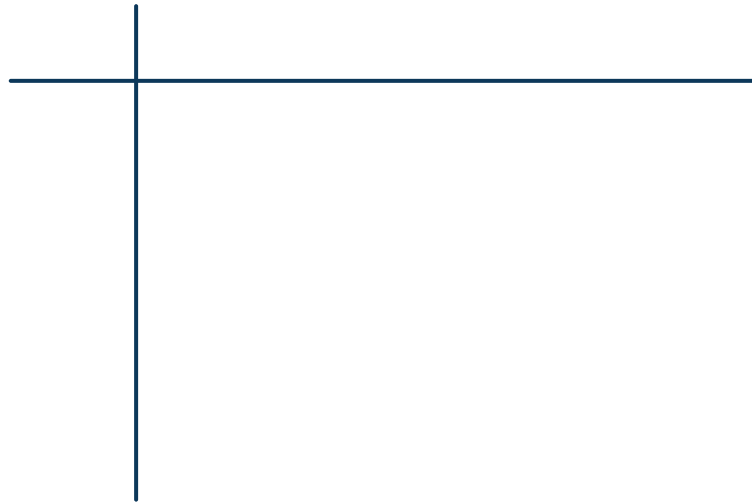Complete the stem and leaf plot for the data, including a key.

7 The data below shows the height of 10 students in feet.

$$5\frac{1}{2}, 4\frac{3}{4}, \quad 5\frac{7}{12}, 5, 5\frac{9}{12}$$
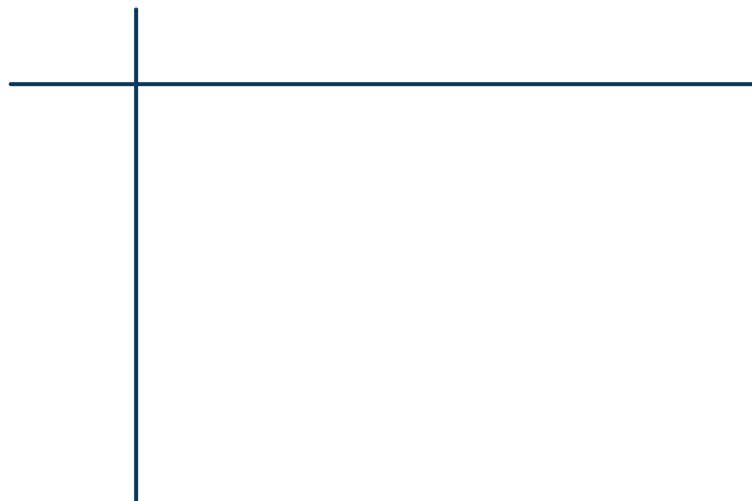$$4\frac{5}{12}, \quad 5, 5\frac{1}{2}, 5\frac{1}{4}, \quad 5\frac{7}{12}$$

Complete the stem and leaf plot for the data, including a key.

8 The data below shows the shoe sizes for a 5th grade track team.

$$5\frac{1}{2}, 6, 6, 7\frac{1}{2}, \quad 6\frac{1}{2}$$
$$7, 5, 6, 6\frac{1}{2}, 7$$

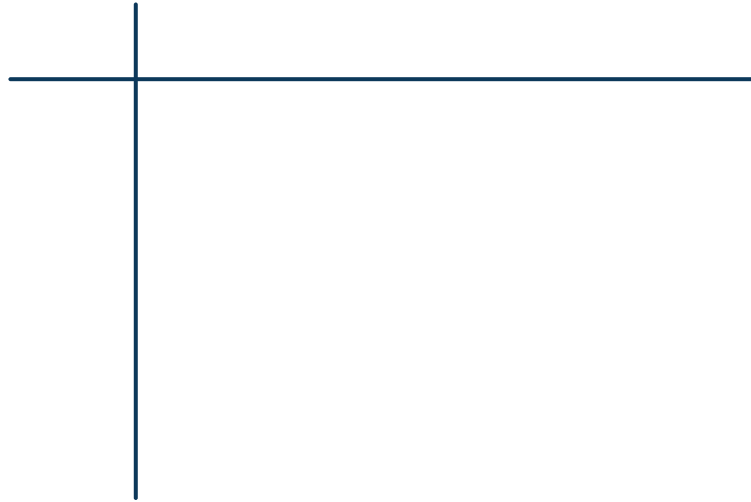Complete the stem and leaf plot for the data, including a key.

9 Mari recorded the heights of all her vegetable plants in her garden. The data below represents the height of each plant, in inches.

$4\frac{1}{4}$, 4, 5, $5\frac{1}{2}$, $6\frac{1}{2}$

$3\frac{3}{4}$, $4\frac{1}{4}$, $4\frac{1}{2}$, $6\frac{1}{2}$, 3
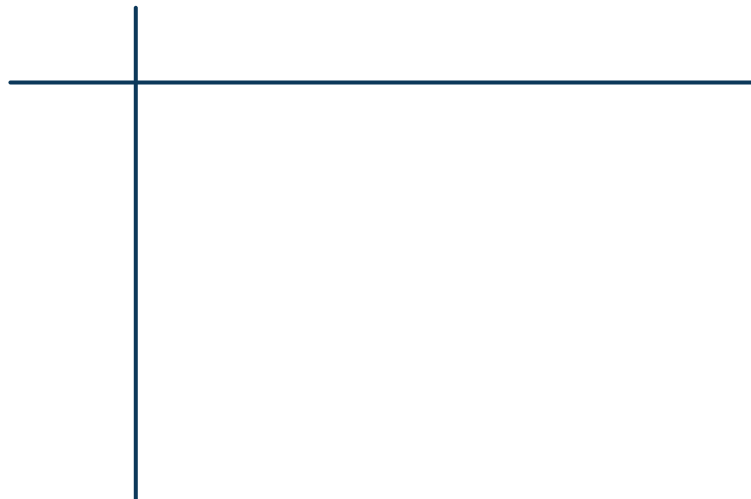
Complete the stem and leaf plot for the data, including a key.

10 The data below shows the amount of time students spent reading each week, in hours.

$\frac{1}{2}$, $\frac{1}{4}$, 1, $1\frac{1}{2}$, $1\frac{1}{2}$

$\frac{1}{2}$, 2, $\frac{1}{2}$, $\frac{3}{4}$, 1

Complete the stem and leaf plot for the data, including a key.

Applied Questions

11 The data below shows the shoe sizes for a 5th grade track team. What was the most common shoe size?

	Shoe sizes
5	0, $\frac{1}{2}$, $\frac{1}{2}$
6	0, 0, 0, $\frac{1}{2}$, $\frac{1}{2}$
7	0, 0, $\frac{1}{2}$, $\frac{1}{2}$

Key : $7 \mid \frac{1}{2} = 7\frac{1}{2}$

Answer

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12 The data below shows the amount of time students spent reading each week, in hours. How much total time did the students spend reading in hours and minutes?

	Time spent reading, in hours
0	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{3}{4}$
1	0, 0, $\frac{1}{2}$, $\frac{1}{2}$
2	0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$

Key : $0 \mid \frac{1}{4} = \frac{1}{4}$ hour reading

Answer

13 The data below shows the number of dogs that Wally's Dog Day Care had each month. What was the largest amount of dogs that Wally's Dog Day Care had in one month?

	Wally's Dog Day Care Attendance
10	2, 8
11	0, 3
12	3, 5, 5
13	1
14	1, 5

Key : 10 | 2 = 102 dogs

Answer

14 The data below shows the number of chapters a group of 7th graders read in one week. What is the difference between the least chapters read and the most chapters read?

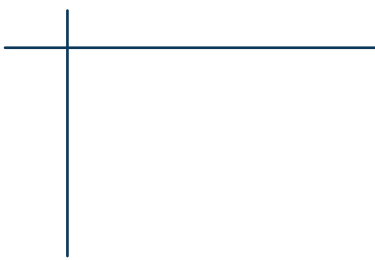|	Number of chapters
0	1, 1, 2, 3, 4, 8, 8, 9
1	0, 2

Key : 1 | 2 = 12 chapters

Answer

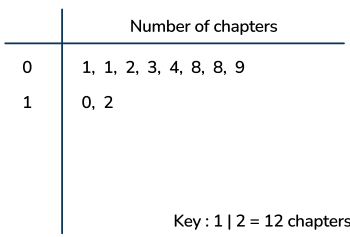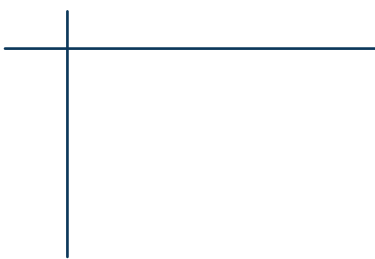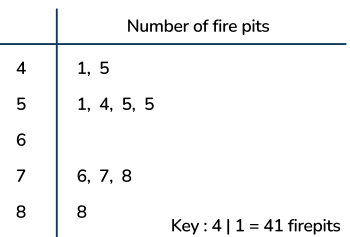**15** The data below shows the number of firepits a company sells each day. How many total firepits were sold?

	Number of fire pits
4	1, 5
5	1, 4, 5, 5
6	
7	6, 7, 8
8	8

Key : 4 | 1 = 41 firepits

Answer

Answers

Question number	Question	Answers	Standard
1	The data below shows the number of chapters a group of 7th graders read in one week. 2, 4, 9, 12, 1, 3, 8, 8, 1, 10 Complete the stem and leaf plot for the data, including a key.	Number of chapters 0 | 1, 1, 2, 3, 4, 8, 8, 9 1 | 0, 2 Key : 1 | 2 = 12 chapters	7.SP.B.4
2	The data below shows the number of firepits a company sells each day. 45, 55, 76, 55, 54, 77, 41, 51, 88, 78 Complete the stem and leaf plot for the data, including a key.	Number of fire pits 4 | 1, 5 5 | 1, 4, 5, 5 6 | 7 | 6, 7, 8 8 | 8 Key : 4 | 1 = 41 firepits	7.SP.B.4

Stem and Leaf Plot Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
3	The data below shows the number of dogs that Wally's Dog Day Care had each month. 113, 102, 145, 123, 125 110, 108, 131, 141, 125 Complete the stem and leaf plot for the data, including a key.	Wally's Dog Day Care Attendance 10 | 2, 8 11 | 0, 3 12 | 3, 5, 5 13 | 1 14 | 1, 5 Key : 10 | 2 = 102 dogs	7.SP.B.4
4	The data below represents the data recorded by a football coach with the number of pounds his football team could leg press. 325, 350, 325, 325, 350 300, 300, 325, 350, 350	Pounds leg pressed by football team 30 | 0, 0 31 | 32 | 5, 5, 5, 5 33 | 34 | 35 | 0, 0, 0, 0 Key : 30 | 0 = 300 pounds	7.SP.B.4
5	The data below shows the gymnastics rankings for the top 10 universities. 198.1, 197.7, 197.9, 197.8, 196.7, 196.5, 196.4, 195.4, 195.8, 196.4 Complete the stem and leaf plot for the data, including a key.	Gymnastics Rankings 195 | 4, 8 196 | 4, 4, 5, 7 197 | 7, 8, 9 198 | 1 Key : 195 | 4 = 195.4	7.SP.B.4

Question number	Question	Answers	Standard
6	The data below shows the results from the men's 200m race. 21.7, 22.2, 22.2, 22.6, 22.7, 22.8, 24.0, 23.5, 24.1, 23.9 Complete the stem and leaf plot for the data, including a key.	Results of Men's 200m Race 21 | 7 22 | 2, 2, 6, 7, 8 23 | 5, 9 24 | 0, 1 Key : 21 | 7 = 21.7	7.SP.B.4
7	The data below shows the height of 10 students in feet. $5\frac{1}{2}$, $4\frac{3}{4}$, $5\frac{7}{12}$, 5, $5\frac{9}{12}$ $4\frac{5}{12}$, 5, $5\frac{1}{2}$, $5\frac{1}{4}$, $5\frac{7}{12}$ Complete the stem and leaf plot for the data, including a key.	Height of Students, in feet 4 | $\frac{5}{12}$, $\frac{3}{4}$ 5 | 0, 0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{7}{12}$, $\frac{7}{12}$, $\frac{9}{12}$ Key : 4 | $\frac{5}{12}$ = $4\frac{5}{12}$	7.SP.B.4
8	The data below shows the shoe sizes for a 5th grade track team. $5\frac{1}{2}$, 6, 6, $7\frac{1}{2}$, $6\frac{1}{2}$ 7, 5, 6, $6\frac{1}{2}$, 7 Complete the stem and leaf plot for the data, including a key.	Shoe Sizes 5 | 0, $\frac{1}{2}$ 6 | 0, 0, 0, $\frac{1}{2}$, $\frac{1}{2}$ 7 | 0, 0, $\frac{1}{2}$ Key : 7 | $\frac{1}{2}$ = $7\frac{1}{2}$	7.SP.B.4

Stem and Leaf Plot Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
9	Mari recorded the heights of all her vegetable plants in her garden. The data below represents the height of each plant, in inches. $4\frac{1}{4}, 4, 5, 5\frac{1}{2}, 6\frac{1}{2}$ $3\frac{3}{4}, 4\frac{1}{4}, 4\frac{1}{2}, 6\frac{1}{2}, 3$ Complete the stem and leaf plot for the data, including a key.	Heights of vegetable plants (in.) $3 \mid 0, \frac{3}{4}$ $4 \mid 0, \frac{1}{4}, \frac{1}{4}, \frac{1}{2}$ $5 \mid 0, \frac{1}{2}$ $6 \mid \frac{1}{2}, \frac{1}{2}$ Key : $3 \mid \frac{3}{4} = 3\frac{3}{4}$	7.SP.B.4
10	The data below shows the amount of time students spent reading each week, in hours. $\frac{1}{2}, \frac{1}{4}, 1, 1\frac{1}{2}, 1\frac{1}{2}$ $\frac{1}{2}, 2, \frac{1}{2}, \frac{3}{4}, 1$ Complete the stem and leaf plot for the data, including a key.	Time spent reading, in hours $0 \mid \frac{1}{4}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{4}$ $1 \mid 0, 0, \frac{1}{2}, \frac{1}{2}$ $2 \mid 0$ Key : $0 \mid \frac{1}{4} = \frac{1}{4}$ hour reading	7.SP.B.4
11	The data below shows the shoe sizes for a 5th grade track team. What was the most common shoe size? Shoe sizes $5 \mid 0, \frac{1}{2}, \frac{1}{2}$ $6 \mid 0, 0, 0, \frac{1}{2}, \frac{1}{2}$ $7 \mid 0, 0, \frac{1}{2}, \frac{1}{2}$ Key : $7 \mid \frac{1}{2} = 7\frac{1}{2}$	6	7.SP.B.4

Stem and Leaf Plot Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
12	The data below shows the amount of time students spent reading each week, in hours. How much total time did the students spend reading in hours and minutes? **Time spent reading, in hours** 0 | $\frac{1}{4}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{4}$ 1 | $0, 0, \frac{1}{2}, \frac{1}{2}$ 2 | $0, \frac{1}{4}, \frac{1}{2}, \frac{3}{4}$ Key : $0 \mid \frac{1}{4} = \frac{1}{4}$ hour reading	17 hours	7.SP.B.4
13	The data below shows the number of dogs that Wally's Dog Day Care had each month. What was the largest amount of dogs that Wally's Dog Day Care had in one month? **Wally's Dog Day Care Attendance** 10 | $2, 8$ 11 | $0, 3$ 12 | $3, 5, 5$ 13 | 1 14 | $1, 5$ Key : 10 | 2 = 102 dogs	145 dogs	7.SP.B.4
14	The data below shows the number of chapters a group of 7th graders read in one week. What is the difference between the least chapters read and the most chapters read? **Number of chapters** 0 | $1, 1, 2, 3, 4, 8, 8, 9$ 1 | $0, 2$ Key : 1 | 2 = 12 chapters	11 chapters	7.SP.B.4

Stem and Leaf Plot Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
15	The data below shows the number of firepits a company sells each day. How many total firepits were sold? Number of fire pits 4 | 1, 5 5 | 1, 4, 5, 5 6 | 7 | 6, 7, 8 8 | 8 Key : 4 | 1 = 41 firepits	620 firepits	7.SP.B.4

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