Name _____ Class _____ Date _____

Chapter 7 Answers

Practice 7-1

1. 86, 85, 85 **2.** 74, 74, no mode **3.** $\frac{7}{16}, \frac{7}{16}, \frac{3}{8}$
4. $\frac{25}{54}, \frac{1}{3}, \frac{1}{3}$, and $\frac{2}{3}$ **5.** 92.75, 94.85, no mode
6. 10,470 ft **7.** 9,705 ft **8.** no mode
9. $11.57 **10.** $14.41 **11.** no mode
12. median **13.** mean **14.** mode
15. median **16.** mean **17.** mode
18. mean **19.** median

Practice 7-2

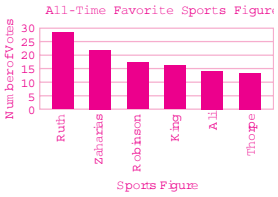
1. Check students' work.
2. time spent on homework last night
3. 24 students **4.** 9 students **5.** 25 minutes
6a. 70 pounds **6b.** 12 dogs

Practice 7-3

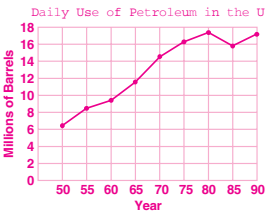
1. 24 ways
2. $1, $5, $6, $10, $11, $15, $16, $20, $21, $25, $26, $30, $31, $35, $36
3. 108 members **4.** 6 different numbers
5. 20 large boxes, 25 small boxes **6.** 27 triangles
7. 14 squares **8.** 58

Practice 7-4

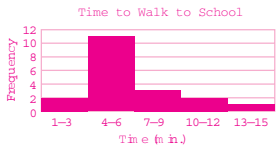
1. Sports Figure **2.** Sample answer: 5
3.



4.

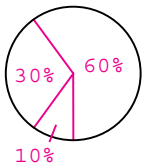


5. Daily use of petroleum has increased since 1950.
6. 3-minute intervals; most of the students walk 4–6 minutes.
7.

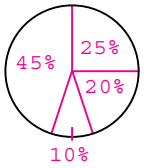


Practice 7-5

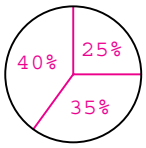
1.



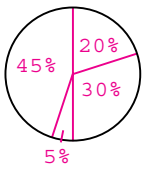
2.



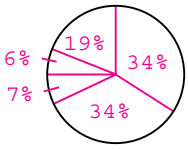
3.



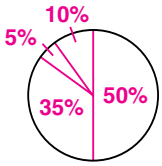
4.



5.



6.



7. oxygen **8.** hydrogen, carbon, oxygen
9. There are other elements in smaller quantities.

Practice 7-6

1. 3; hours worked on Monday
2. 15; amount earned on Monday
3. 3; hours worked on Tuesday
4. 15; amount earned on Tuesday
5. 4; hours worked on Thursday
6. 20; amount earned on Thursday
7. = C5 − B5 **8.** = 5 * D5
9. = D2 + D3 + D4 + D5
10. = 5 * D6 or = E2 + E3 + E4 + E5
11. 18 hours **12.** $90
13a. Check students' spreadsheets.
13b. Daily wages: D2 = $43.50, D3 = $72.50, D4 = $122.00, D5 = $122.00; Weekly wages: D6 = $360.00

Practice 7-7

1. 67 **2.** 95 **3.** 2 **4.** 11 **5.** 28
6. 79 **7.** 83
8.

stem	leaf
6	4 8
7	2 2 4 6 7 9
8	0 3 3 4 6 6 7
9	0 1 3 7

9.

stem	leaf
0	0 2 3 3 4 6 7 9 9
1	0 2 2 5 7
2	0 4

10.

stem	leaf
0	3 5 8 9
1	0 0 1 2 2 6 7
2	1 3 5
3	1 3

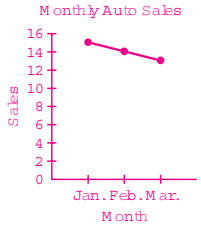
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Name _____ Class _____ Date _____

Chapter 7 Answers (continued)

Practice 7-8

1. The vertical axis changes units; the graph continues through a break.
2. The number of people who prefer cereal is increasing sharply.
3a. Business is declining rapidly.
3b. The break in the scale makes it appear that there are $\frac{1}{3}$ as many sales in March compared to January.
3c. Sample answer: **4a.** mode **4b.** mean



Reteaching 7-1

1. 8 **2.** 14 **3.** 9 **4.** 111 **5.** 69
6. 70 **7.** 7 **8.** 15 **9.** 16 **10.** 46
11. 55 **12.** 7 **13.** 5 **14.** 1 **15.** 3
16. 33 **17.** 98 **18.** 110, 121

Reteaching 7-2

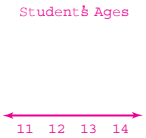
1.

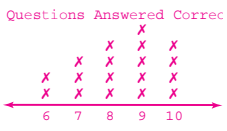
First Letter	Tally	Frequency
A	//	2
B	/	1
D	/	1
F	//	2
H	/	1
J	////	4

2.

Month	Tally	Frequency
March	//	2
April	/	1
May	~~////~~	5
June	//	2
July	//	2

3. 3; **4.** 4;





Reteaching 7-3

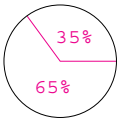
1. day 10 **2.** 6 ways
3. 16 different combinations **4.** 34 days overdue

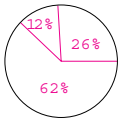
Reteaching 7-4

1. 20 books **2.** January **3.** 10 books
4. October and November
5. Bar graph; data shows amounts, but not changes over time.
6. Line graph; data shows change over time.

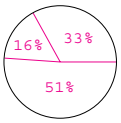
Reteaching 7-5

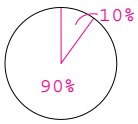
1. English and Spanish **2.** 12 people
3. 12 people **4.** Polish
5. **6.**



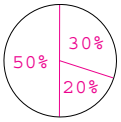


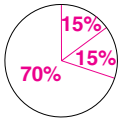
7. **8.**





9. **10.**





11–13. Sample graphs are given.
11. **12.**





13.



Reteaching 7-6

1. A2−A5 **2.** C2−C5 **3.** E2 **4.** F5
5. 1 hour **6.** 9 hours **7.** 3 hours **8.** 0 hours
9. 5 hours **10.** =B4 + C4 + D4
11. = B5 + C5 + D5 **12.** = B2 + C2 + D2
13. = E5/3 or = (B5 + C5 + D5)/3

Reteaching 7-7

1. 18 years old **2.** 2 entries **3.** 9 people
4. 28 people **5.**

stem	leaf
47	9
48	0 9
49	3
50	4 8
51	4 9
52	3 7

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