Name _____ Class _____ Date _____

Chapter 4 Answers

Practice 4-1

1. $\frac{5}{8}, \frac{1}{2}$ **2.** $\frac{9}{10}; 1$ **3.** 1 **4.** 2 **5.** $\frac{1}{2}$
6. $1\frac{1}{2}$ **7.** $\frac{1}{2}$ **8.** 0 **9.** 2 **10.** 7
11. 10 **12.** 4 **13.** 5 **14.** 6
15. Sample answer: $\frac{3}{8}, \frac{2}{5}, \frac{1}{3}$ **16.** Sample answer: $1\frac{1}{8}, \frac{9}{10}, \frac{11}{12}$
17. about \$39
18. The bag for \$2.99 is the better buy because it weighs about 4 lb, and the oranges cost about \$.75/lb. It would cost about \$3.60 to buy 4 lb at \$.90/lb.

Practice 4-2

1. $\frac{3}{4}$ **2.** $\frac{3}{10}$ **3.** $\frac{1}{4}$ **4.** $\frac{3}{4}$ **5.** $\frac{7}{8}$ **6.** $\frac{9}{10}$
7. $\frac{1}{2}$ **8.** $\frac{1}{2}$ **9.** $\frac{2}{3}$ **10.** $\frac{4}{9}$ **11.** $\frac{4}{7}$ **12.** $1\frac{1}{17}$
13. $\frac{1}{2}$ c **14.** $\frac{1}{2}$ c **15.** $\frac{1}{8}$ **16.** $\frac{7}{10}$ **17.** 0 **18.** $\frac{11}{20}$
19. $\frac{7}{9}$ **20.** $\frac{4}{5}$ **21.** $\frac{1}{5}$ **22.** $\frac{5}{9}$ yd

Practice 4-3

1. $\frac{11}{12}$ **2.** $\frac{3}{10}$ **3.** $\frac{5}{12}$ **4.** $\frac{3}{8}$ **5.** $\frac{3}{8}$
6. $1\frac{1}{10}$ **7.** $\frac{13}{30}$ **8.** $\frac{1}{6}$ **9.** $\frac{9}{16}$ **10.** $1\frac{5}{16}$
11. $\frac{11}{14}$ **12.** $1\frac{11}{20}$ **13.** $\frac{1}{2}$ **14.** $\frac{1}{24}$ **15.** $\frac{32}{35}$
16. $1\frac{3}{10}$
17. No, she needs $\frac{3}{8} + \frac{1}{2} = \frac{7}{8}$; she has $\frac{3}{4} = \frac{6}{8}, \frac{7}{8} > \frac{6}{8}$.
18. 1 **19.** $\frac{11}{20}$ **20.** $\frac{3}{8}$ **21.** $\frac{1}{12}$ **22.** $\frac{9}{10}$
23. $\frac{3}{4}$ **24.** $\frac{1}{5}$

Practice 4-4

1. 1 **2.** 3 **3.** 5 **4.** $9\frac{7}{10}$ **5.** $6\frac{3}{8}$
6. $8\frac{11}{12}$ **7.** $9\frac{1}{4}$ **8.** $4\frac{1}{4}$ **9.** $19\frac{7}{10}$ **10.** $13\frac{1}{4}$
11. $15\frac{7}{10}$ **12.** $7\frac{5}{12}$ **13.** $10\frac{5}{8}$ **14.** $8\frac{1}{3}$ **15.** $9\frac{1}{2}$
16. $6\frac{17}{20}$ **17.** $12\frac{5}{8}$ **18.** $22\frac{11}{16}$ **19.** $5\frac{1}{3}$ **20.** $31\frac{1}{5}$
21. $16\frac{3}{4}$ **22.** $25\frac{17}{20}$ **23.** $45\frac{7}{8}$ **24.** $17\frac{15}{16}$ **25.** $30\frac{2}{3}$
26. $85\frac{7}{10}$ **27.** $11\frac{5}{8}$ **28.** about 25 ft **29.** $74\frac{15}{16}$ pounds
30. < **31.** < **32.** > **33.** < **34.** > **35.** <

Practice 4-5

1. $6\frac{13}{16}$ **2.** $5\frac{23}{24}$ **3.** $5\frac{3}{5}$ **4.** $2\frac{13}{16}$ **5.** $4\frac{23}{30}$
6. $4\frac{1}{2}$ **7.** $1\frac{5}{8}$ **8.** $2\frac{1}{16}$ **9.** $5\frac{5}{6}$ **10.** $\frac{7}{10}$
11. $7\frac{1}{12}$ **12.** $3\frac{9}{16}$ **13.** $13\frac{1}{3}$ **14.** $4\frac{3}{20}$ **15.** $2\frac{11}{12}$
16. $3\frac{1}{4}$ **17.** $6\frac{1}{12}$ **18.** $14\frac{13}{16}$ **19.** $3\frac{3}{10}$ **20.** $7\frac{7}{12}$
21. $6\frac{2}{5}$ **22.** $5\frac{13}{24}$ **23.** $4\frac{3}{16}$ **24.** $3\frac{3}{4}$
25. about \$204
26. Sample answer: No; she will have only $1\frac{1}{4}$ yd left after the first project and $1\frac{1}{4} < 1\frac{1}{3}$.
27. Answers may vary. Check students' work.

Practice 4-6

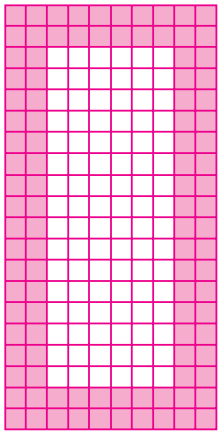
1. $\frac{3}{17}$ **2.** $\frac{3}{7}$ **3.** $\frac{3}{5}$ **4.** $\frac{1}{16}$ **5.** $\frac{2}{5}$ **6.** $\frac{1}{2}$
7. $\frac{3}{11}$ **8.** $\frac{3}{4}$ **9.** $\frac{1}{3}$ **10.** $\frac{3}{16}$ **11.** $\frac{1}{9}$ **12.** $\frac{1}{3}$
13. Sample answer: $\frac{1}{3} + x = \frac{7}{12}; \frac{1}{4}$
14. Sample answer: $\frac{9}{10} - x = \frac{7}{15}; \frac{13}{30}, \frac{13}{30}$
15. $78\frac{13}{24}$ lb
16. Sample answer: $3 - x = \frac{3}{8}; 2\frac{5}{8}$ bottles

Practice 4-7

1. 7:00 A.M.–7:30 A.M. **2.** 7:30 A.M.–8:30 A.M.
3. 8:30 A.M.–10:30 A.M. **4.** 10:30 A.M.–11:15 A.M.
5. 11:15 A.M.–11:30 A.M. **6.** 11:30 A.M.–12:15 P.M.
7. 12:15 P.M.–12:45 P.M. **8.** 12:45 P.M.–2:15 P.M.
9. 2:15 P.M.–3:00 P.M. **10.** 3:00 P.M.–4:15 P.M.
11. 4:15 P.M.–6:15 P.M. **12.** 6:15 P.M.–7:00 P.M.
13. 7:00 P.M.–7:30 P.M. **14.** 7:30 P.M.–7:50 P.M.
15. 7:50 P.M.–9:50 P.M. **16.** 9:50 P.M.–10:10 P.M.
17. 8 h 6 min **18.** 11 h 13 min **19.** 16 h 39 min
20. 5 h 18 min **21.** 1 h 56 min **22.** 15 h 25 min
23. 2 h 35 min **24.** 5 h 52 min

Practice 4-8

1.



2. 104 tiles **3.** 96 tiles
4.



5a. 17 posters
5b.



6. Matthew: 62 papers; brother: 31 papers
7. 48 gal

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