

Lesson Practice 4A

1. done
2. done
3.
$$\begin{array}{r} 1.53 \\ +1.12 \\ \hline 2.65 \end{array}$$
4.
$$\begin{array}{r} 2.17 \\ +0.31 \\ \hline 2.48 \end{array}$$
5.
$$\begin{array}{r} 1.8 \\ +1.0 \\ \hline 2.8 \end{array}$$
6.
$$\begin{array}{r} 3.2 \\ +0.4 \\ \hline 3.6 \end{array}$$
7.
$$\begin{array}{r} 1.13 \\ +1.68 \\ \hline 2.81 \end{array}$$
8.
$$\begin{array}{r} 1.67 \\ +0.42 \\ \hline 2.09 \end{array}$$

9.
$$\begin{array}{r} 1.5 \\ +1.2 \\ \hline 2.7 \end{array}$$
10.
$$\begin{array}{r} 2.1 \\ +0.8 \\ \hline 2.9 \end{array}$$
11.
$$\begin{array}{r} 1.16 \\ +1.46 \\ \hline 2.62 \end{array}$$
12.
$$\begin{array}{r} 3.90 \\ +0.02 \\ \hline 3.92 \end{array}$$
13.
$$\begin{array}{r} 2.6 \\ +1.5 \\ \hline 4.1 \end{array}$$
14.
$$\begin{array}{r} 1.8 \\ +1.3 \\ \hline 3.1 \end{array}$$
15.
$$\begin{array}{r} 3.00 \\ +1.62 \\ \hline 4.62 \end{array}$$
16.
$$\begin{array}{r} 4.48 \\ +0.10 \\ \hline 4.58 \end{array}$$
17.
$$\begin{array}{r} \$4.51 \\ +\$0.35 \\ \hline \$4.86 \end{array}$$
18.
$$\begin{array}{r} 1.5 \\ +2.72 \\ \hline 4.22 \text{ miles} \end{array}$$

Lesson Practice 4B

1.
$$\begin{array}{r} 7.1 \\ + 6.2 \\ \hline 13.3 \end{array}$$
2.
$$\begin{array}{r} 5.9 \\ +1.2 \\ \hline 7.1 \end{array}$$
3.
$$\begin{array}{r} 2.45 \\ +5.07 \\ \hline 7.52 \end{array}$$
4.
$$\begin{array}{r} 4.13 \\ +1.96 \\ \hline 6.09 \end{array}$$
5.
$$\begin{array}{r} 7.0 \\ +2.8 \\ \hline 9.8 \end{array}$$
6.
$$\begin{array}{r} 1.5 \\ + 9.3 \\ \hline 10.8 \end{array}$$
7.
$$\begin{array}{r} 8.84 \\ + 3.09 \\ \hline 11.93 \end{array}$$
8.
$$\begin{array}{r} 0.437 \\ +0.250 \\ \hline 0.687 \end{array}$$
9.
$$\begin{array}{r} 8.8 \\ + 3.4 \\ \hline 12.2 \end{array}$$
10.
$$\begin{array}{r} 6.2 \\ +0.4 \\ \hline 6.6 \end{array}$$
11.
$$\begin{array}{r} 2.70 \\ + 9.41 \\ \hline 12.11 \end{array}$$
12.
$$\begin{array}{r} 5.52 \\ +0.60 \\ \hline 6.12 \end{array}$$
13.
$$\begin{array}{r} 3.9 \\ +4.0 \\ \hline 7.9 \end{array}$$
14.
$$\begin{array}{r} 7.5 \\ +0.8 \\ \hline 8.3 \end{array}$$
15.
$$\begin{array}{r} 4.15 \\ +3.00 \\ \hline 7.15 \end{array}$$
16.
$$\begin{array}{r} 0.524 \\ +0.277 \\ \hline 0.801 \end{array}$$
17.
$$\begin{array}{r} \$12.95 \\ +\$15.50 \\ \hline \$28.45 \end{array}$$
18.
$$\begin{array}{r} 0.625 \\ +2.125 \\ \hline 2.750 \text{ gallons} \end{array}$$

Lesson Practice 4C

$$\begin{array}{r} 1 \\ 1. \\ + 9.8 \\ \hline 12.8 \end{array}$$

$$\begin{array}{r} 2. \\ 7.1 \\ + 1.3 \\ \hline 8.4 \end{array}$$

$$\begin{array}{r} 1 \quad 1 \\ 1.95 \\ + 8.15 \\ \hline 10.10 \end{array}$$

$$\begin{array}{r} 1 \\ 3.51 \\ + 2.68 \\ \hline 6.19 \end{array}$$

$$\begin{array}{r} 1 \\ 5.9 \\ + 0.4 \\ \hline 6.3 \end{array}$$

$$\begin{array}{r} 6. \\ 4.1 \\ + 3.0 \\ \hline 7.1 \end{array}$$

$$\begin{array}{r} 1 \\ 2.34 \\ + 0.71 \\ \hline 3.05 \end{array}$$

$$\begin{array}{r} 8. \\ 0.440 \\ + 0.300 \\ \hline 0.740 \end{array}$$

$$\begin{array}{r} 1 \\ 6.5 \\ + 5.0 \\ \hline 11.5 \end{array}$$

$$\begin{array}{r} 10. \\ 2.8 \\ + 5.9 \\ \hline 8.7 \end{array}$$

$$\begin{array}{r} 1 \quad 1 \\ 7.48 \\ + 1.93 \\ \hline 9.41 \end{array}$$

$$\begin{array}{r} 12. \\ 0.162 \\ + 8.000 \\ \hline 8.162 \end{array}$$

$$\begin{array}{r} 13. \\ 8.7 \\ + 8.1 \\ \hline 16.8 \end{array}$$

$$\begin{array}{r} 14. \\ 6.0 \\ + 0.1 \\ \hline 6.1 \end{array}$$

$$\begin{array}{r} 15. \\ 0.731 \\ + 0.402 \\ \hline 1.133 \end{array}$$

$$\begin{array}{r} 16. \\ 1.125 \\ + 0.112 \\ \hline 1.237 \end{array}$$

$$\begin{array}{r} 17. \\ 4.3 \\ + 0.5 \\ \hline 4.8 \text{ bushels} \end{array}$$

$$\begin{array}{r} 18. \\ 2.045 \\ + 0.5 \\ \hline 2.545 \text{ inches} \end{array}$$

Systematic Review 4D

$$\begin{array}{r} 1. \\ 1.5 \\ + 9.3 \\ \hline 10.8 \end{array}$$

$$\begin{array}{r} 2. \\ 5.9 \\ + 1.6 \\ \hline 7.5 \end{array}$$

$$\begin{array}{r} 3. \\ 6.34 \\ + 2.41 \\ \hline 8.75 \end{array}$$

$$\begin{array}{r} 4. \\ 1.82 \\ + 9.3 \\ \hline 11.12 \end{array}$$

$$5. \quad 2^3 = 8$$

$$6. \quad 6^2 = 36$$

$$7. \quad 10^4 = 10,000$$

$$8. \quad 7^2 = 49$$

$$9. \quad 1 \times 100 + 7 \times 10 + 6 \times 1 + 2 \times \frac{1}{10} + 1 \times \frac{1}{100}$$

$$10. \quad 6 \times \frac{1}{10} + 8 \times \frac{1}{100} + 5 \times \frac{1}{1,000}$$

$$11. \quad 4 \times 1 + 5 \times \frac{1}{10}$$

$$12. \quad \frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16}$$

$$13. \quad \frac{5}{8} = \frac{10}{16} = \frac{15}{24} = \frac{20}{32}$$

$$14. \quad \frac{1}{4} + \frac{3}{5} = \frac{5}{20} + \frac{12}{20} = \frac{17}{20}$$

$$15. \quad \frac{3}{4} + \frac{1}{6} = \frac{18}{24} + \frac{4}{24} = \frac{22}{24} = \frac{11}{12}$$

$$16. \quad \frac{1}{3} + \frac{2}{5} = \frac{5}{15} + \frac{6}{15} = \frac{11}{15}$$

$$\begin{array}{r} 17. \\ 75.25 \\ + 1.75 \\ \hline 77.00 \text{ inches} \end{array}$$

$$18. \quad 12 \div 6 = 2 \text{ spoiled apples} \\ 12 - 2 = 10 \text{ good apples}$$

Systematic Review 4E

1.
$$\begin{array}{r} 11 \\ 8.6 \\ + 2.4 \\ \hline 11.0 \end{array}$$
2.
$$\begin{array}{r} 3.0 \\ + 4.4 \\ \hline 7.4 \end{array}$$
3.
$$\begin{array}{r} 11 \\ 3.07 \\ + 9.25 \\ \hline 12.32 \end{array}$$
4.
$$\begin{array}{r} 5.00 \\ + 3.24 \\ \hline 8.24 \end{array}$$
5. $3^4 = 81$
6. $5^2 = 25$
7. $1^7 = 1$
8. $10^3 = 1,000$
9. $4 \times 10^1 + 3 \times 10^0 + 3 \times \frac{1}{10^1}$
10. $6 \times 10^0 + 1 \times \frac{1}{10^1} + 5 \times \frac{1}{10^3}$
11. $2 \times 10^2 + 3 \times \frac{1}{10^1} + 4 \times \frac{1}{10^2}$
12. $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$
13. $\frac{9}{10} = \frac{18}{20} = \frac{27}{30} = \frac{36}{40}$
14. $\frac{1}{9} + \frac{1}{2} = \frac{2}{18} + \frac{9}{18} = \frac{11}{18}$
15. $\frac{2}{5} + \frac{5}{6} = \frac{12}{30} + \frac{25}{30} = \frac{37}{30} = 1\frac{7}{30}$
16. $\frac{1}{10} + \frac{2}{3} = \frac{3}{30} + \frac{20}{30} = \frac{23}{30}$
17.
$$\begin{array}{r} 0.5 \\ + 0.25 \\ \hline 0.75 \text{ hours} \end{array}$$
18.
$$\begin{array}{r} 11 \\ 9.5 \\ + 11.6 \\ \hline 21.1 \text{ gallons} \end{array}$$
19. $\frac{2}{3} + \frac{1}{5} = \frac{10}{15} + \frac{3}{15} = \frac{13}{15}$ of the problems
20. $30 \div 15 = 2$;
 $2 \times 13 = 26$ problems

Systematic Review 4F

1.
$$\begin{array}{r} 5.6 \\ + 4.3 \\ \hline 9.9 \end{array}$$
2.
$$\begin{array}{r} 11 \\ 1.9 \\ + 9.2 \\ \hline 11.1 \end{array}$$
3.
$$\begin{array}{r} 1 \\ 5.13 \\ + 9.50 \\ \hline 14.63 \end{array}$$
4.
$$\begin{array}{r} 11 \\ 4.17 \\ + 1.95 \\ \hline 6.12 \end{array}$$
5. $8^2 = 64$
6. $10^0 = 1$
7. $4^3 = 64$
8. $9^2 = 81$
9. 9,500.1
10. 158.004
11. $\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12}$
12. $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{12}{28}$
13. $\frac{2}{7} + \frac{1}{8} = \frac{16}{56} + \frac{7}{56} = \frac{23}{56}$
14. $\frac{3}{5} + \frac{2}{9} = \frac{27}{45} + \frac{10}{45} = \frac{37}{45}$
15. $\frac{3}{4} + \frac{1}{5} = \frac{15}{20} + \frac{4}{20} = \frac{19}{20}$
16.
$$\begin{array}{r} 1 \\ \$2.25 \\ + \$1.69 \\ \hline \$3.94 \end{array}$$
17.
$$\begin{array}{r} 1 \\ \$ 4.00 \\ \$ 2.50 \\ + \$ 8.35 \\ \hline \$14.85 \end{array}$$
18. $\frac{5}{15} = \frac{1}{3}$
19. $\frac{3}{8} + \frac{1}{3} = \frac{9}{24} + \frac{8}{24} = \frac{17}{24}$; no
20. $27 \div 9 = 3$;
 $3 \times 5 = 15$ players

Application and Enrichment 4G

1. $3(7) = 21$
 $18 + 3 = 21$ The answers agree.
2. $4(2 + 5) = 4(7) = 28$
 $4(2) + 4(5) = 8 + 20 = 28$
3. $2(10 + 6) = 2(16) = 32$
 $2(10) + 2(6) = 20 + 12 = 32$
4. $6(2 + 3) = 6(5) = 30$
 $6(2) + 6(3) = 12 + 18 = 30$
5. $7(8 + 4) = 7(12) = 84$
 $7(8) + 7(4) = 56 + 28 = 84$
6. $4(2) + 4(B) = 8 + 4B$
7. $8(A) + 8(4) = 8A + 32$
8. $2(X) + 2(Z) = 2X + 2Z$
9. $7(A) + 7(2Y) = 7A + 14Y$
10. $2(3) + 2(5B) = 2(3 + 5B)$
11. $5(3) + 5(7X) = 5(3 + 7X)$
12. $9(1) + 9(8Y) = 9(1 + 8Y)$