

Systematic Review 3F

1. $1 \times 10^0 + 1 \times \frac{1}{10^3}$
2. $1 \times 10^3 + 3 \times 10^2 + 5 \times 10^1 + 8 \times 10^0 + 9 \times \frac{1}{10^1} + 1 \times \frac{1}{10^2}$
3. 6528.05
4. 2000.986
5. $9.00 + .80 + .07 = \$9.87$
6. $2.00 + .00 + .08 = \$2.08$
7. $3^4 = 81$
8. $1^3 = 1$
9. $10^0 = 1$
10. $5^2 = 25$
11. $\frac{9}{10} = \frac{18}{20} = \frac{27}{30} = \frac{36}{40}$
12. $\frac{1}{6} = \frac{2}{12} = \frac{3}{18} = \frac{4}{24}$
13. $\frac{5}{30} \div \frac{5}{5} = \frac{1}{6}$
14. $\frac{14}{35} \div \frac{7}{7} = \frac{2}{5}$
15. $\frac{20}{40} \div \frac{20}{20} = \frac{1}{2}$
16. $\frac{18}{27} \div \frac{9}{9} = \frac{2}{3}$
17. $6.00 + .09 = \$6.09$
18. $100 \div 100 = 1$;
 $1 \times 7 = 7$ cents
19. $\frac{9}{12} = \frac{3}{4}$ of the dishes
20. $20 \div 5 = 4$;
 $4 \times 4 = 16$ questions

Lesson Practice 4A

1. done
2. done
3. 1.53
 $\frac{+1.12}{2.65}$
4. 2.17
 $\frac{+ .31}{2.48}$
5. 1.8
 $\frac{+1.0}{2.8}$

6. 3.2
 $\frac{+.4}{3.6}$
7. 1.13
 $\frac{+1.68}{2.81}$
8. 1.67
 $\frac{+.42}{2.09}$
9. 1.5
 $\frac{+1.2}{2.7}$
10. 2.1
 $\frac{+.8}{2.9}$
11. 1.16
 $\frac{+1.46}{2.62}$
12. 3.90
 $\frac{+.02}{3.92}$
13. 2.6
 $\frac{+1.5}{4.1}$
14. 1.8
 $\frac{+1.3}{3.1}$
15. 3.00
 $\frac{+1.62}{4.62}$
16. 4.48
 $\frac{+.10}{4.58}$
17. \$4.51
 $\frac{+ \$.35}{\$4.86}$
18. 1.5
 $\frac{+2.72}{4.22 \text{ km}}$

Lesson Practice 4B

1.
$$\begin{array}{r} 1 \\ 7.1 \\ + 6.2 \\ \hline 13.3 \end{array}$$
2.
$$\begin{array}{r} 1 \\ 5.9 \\ + 1.2 \\ \hline 7.1 \end{array}$$
3.
$$\begin{array}{r} 1 \\ 2.45 \\ + 5.07 \\ \hline 7.52 \end{array}$$
4.
$$\begin{array}{r} 1 \\ 4.13 \\ + 1.96 \\ \hline 6.09 \end{array}$$
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.
$$\begin{array}{r} 1 \\ 8.84 \\ + 3.09 \\ \hline 11.93 \end{array}$$
8.
$$\begin{array}{r} .437 \\ + .250 \\ \hline .687 \end{array}$$
9.
$$\begin{array}{r} 1 \\ 8.8 \\ + 3.4 \\ \hline 12.2 \end{array}$$
10.
$$\begin{array}{r} 6.2 \\ + .4 \\ \hline 6.6 \end{array}$$
11.
$$\begin{array}{r} 1 \\ 2.70 \\ + 9.41 \\ \hline 12.11 \end{array}$$
12.
$$\begin{array}{r} 1 \\ 5.52 \\ + .60 \\ \hline 6.12 \end{array}$$
13.
$$\begin{array}{r} 3.9 \\ + 4.0 \\ \hline 7.9 \end{array}$$
14.
$$\begin{array}{r} 1 \\ 7.5 \\ + .8 \\ \hline 8.3 \end{array}$$

15.
$$\begin{array}{r} 4.15 \\ + 3.00 \\ \hline 7.15 \end{array}$$
16.
$$\begin{array}{r} 11 \\ .524 \\ + .277 \\ \hline .801 \end{array}$$
17.
$$\begin{array}{r} 1 \\ \$12.95 \\ + 15.50 \\ \hline \$28.45 \end{array}$$
18.
$$\begin{array}{r} 1 \\ .625 \\ + 2.125 \\ \hline 2.750 \text{ litres} \end{array}$$

Lesson Practice 4C

1.
$$\begin{array}{r} 1 \\ 3.0 \\ + 9.8 \\ \hline 12.8 \end{array}$$
2.
$$\begin{array}{r} 7.1 \\ + 1.3 \\ \hline 8.4 \end{array}$$
3.
$$\begin{array}{r} 11 \\ 1.95 \\ + 8.15 \\ \hline 10.10 \end{array}$$
4.
$$\begin{array}{r} 1 \\ 3.51 \\ + 2.68 \\ \hline 6.19 \end{array}$$
5.
$$\begin{array}{r} 1 \\ 5.9 \\ + .4 \\ \hline 6.3 \end{array}$$
6.
$$\begin{array}{r} 4.1 \\ + 3.0 \\ \hline 7.1 \end{array}$$
7.
$$\begin{array}{r} 1 \\ 2.34 \\ + .71 \\ \hline 3.05 \end{array}$$
8.
$$\begin{array}{r} .440 \\ + .300 \\ \hline .740 \end{array}$$
9.
$$\begin{array}{r} 1 \\ 6.5 \\ + 5.0 \\ \hline 11.5 \end{array}$$

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

$$\begin{array}{r} 11. \quad 7.48 \\ + 1.93 \\ \hline 9.41 \end{array}$$

$$\begin{array}{r} 12. \quad .162 \\ + 8.000 \\ \hline 8.162 \end{array}$$

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

$$\begin{array}{r} 14. \quad 6.0 \\ + .1 \\ \hline 6.1 \end{array}$$

$$\begin{array}{r} 15. \quad .731 \\ + .402 \\ \hline 1.133 \end{array}$$

$$\begin{array}{r} 16. \quad 1.125 \\ + .112 \\ \hline 1.237 \end{array}$$

$$\begin{array}{r} 17. \quad 4.3 \\ + .5 \\ \hline 4.8 \text{ kg} \end{array}$$

$$\begin{array}{r} 18. \quad 2.045 \\ + .5 \\ \hline 2.545 \text{ cm} \end{array}$$

Systematic Review 4D

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

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

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

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

5. $2^3 = 8$

6. $6^2 = 36$

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

8. $7^2 = 49$

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

10. $6 \times \frac{1}{10} + 8 \times \frac{1}{100} + 5 \times \frac{1}{1000}$

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

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

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

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

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

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

$$\begin{array}{r} 17. \quad 188.13 \\ + 4.38 \\ \hline 192.51 \text{ cm} \end{array}$$

18. $12 \div 6 = 2$ spoiled apples
 $12 - 2 = 10$ good apples

Systematic Review 4E

$$\begin{array}{r} 1. \quad 8.6 \\ + 2.4 \\ \hline 11.0 \end{array}$$

$$\begin{array}{r} 2. \quad 3.0 \\ + 4.4 \\ \hline 7.4 \end{array}$$

$$\begin{array}{r} 3. \quad 3.07 \\ + 9.25 \\ \hline 12.32 \end{array}$$

$$\begin{array}{r} 4. \quad 5.00 \\ + 3.24 \\ \hline 8.24 \end{array}$$

5. $3^4 = 81$

6. $5^2 = 25$

7. $1^7 = 1$

8. $10^3 = 1000$

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.
$$\begin{array}{r} .5 \\ +.25 \\ \hline .75 \text{ hours} \end{array}$$
18.
$$\begin{array}{r} 11 \\ 9.5 \\ +11.6 \\ \hline 21.1 \text{ litres} \end{array}$$
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
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.
$$\begin{array}{r} 1 \\ \$ 4.00 \\ +\$ 8.35 \\ \hline \$14.85 \end{array}$$
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

Lesson Practice 5A

1. done
2.
$$\begin{array}{r} 7 \\ 18.7 \\ - 4.8 \\ \hline 13.9 \end{array}$$
3.
$$\begin{array}{r} 8 \ 12 \\ 9.35 \\ - 8.46 \\ \hline .89 \end{array}$$
4.
$$\begin{array}{r} 1 \ 11 \\ 2.10 \\ - 9.6 \\ \hline 1 \ 2.4 \end{array}$$
5.
$$\begin{array}{r} 6.4 \\ -5.3 \\ \hline 1.1 \end{array}$$
6.
$$\begin{array}{r} 4 \\ 5.10 \\ -2.4 \\ \hline 2.6 \end{array}$$
7.
$$\begin{array}{r} 1 \ 5 \\ 2.10 \\ - 9.43 \\ \hline 1 \ 4.17 \end{array}$$

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. 9500.1
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. $\frac{2}{7} + \frac{1}{8} = \frac{16}{56} + \frac{7}{56} = \frac{23}{56}$