

4D

- 1) 10.8
- 2) 7.5
- 3) 8.75
- 4) 11.12
- 5) 8
- 6) 36
- 7) 10,000
- 8) 49
- 9) $1 \times 100 + 7 \times 10 + 6 \times 1 + 2 \times 1/10 + 1 \times 1/100$
- 10) $6 \times 1/10 + 8 \times 1/100 + 5 \times 1/1000$
- 11) $4 \times 1 + 5 \times 1/10$
- 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) $\frac{1}{3} + \frac{2}{5} = \frac{5}{15} + \frac{6}{15} = \frac{11}{15}$
- 17) $75.25 + 1.75 = 77$
- 18) $12 \div 6 = 2$ spoiled apples
 $12 - 2 = 10$ good apples

4E

- 1) 11.0
- 2) 7.4
- 3) 12.32
- 4) 8.24
- 5) 81
- 6) 25
- 7) 1
- 8) 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) $.5 + .25 = .75$
- 18) $9.5 + 11.6 = 21.1$
- 19) $\frac{2}{3} + \frac{1}{5} = \frac{10}{15} + \frac{3}{15} = \frac{13}{15}$
- 20) $30 \div 15 = 2; 2 \times 13 = 26$

4F

- 1) 9.9
- 2) 11.1
- 3) 14.63
- 4) 6.12
- 5) 64
- 6) 1
- 7) 64
- 8) 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) $\$2.25 + \$1.69 = \$3.94$
- 17) $\$4.00 + \$2.50 + \$8.35 = \14.85
- 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) $27 \div 9 = 3; 3 \times 5 = 15$

5A

- 1) done
- 2) 13.9
- 3) .89
- 4) 12.4
- 5) 1.1
- 6) 2.6
- 7) 14.17
- 8) 2.18
- 9) 1.4
- 10) 8.7
- 11) 3.93
- 12) 2.72
- 13) $\$7.17 - \$2.98 = \$4.19$
- 14) $5.75 - 1.5 = 4.25$
- 15) $150 - 4.5 - 145.5$ lbs.
- 16) $15.15 - 4.29 = 10.86$
- 17) $10.2 - .7 = 9.5$
- 18) $\$10.50 - \$4.79 = \$5.71$

5B

- 1) 8.0
- 2) 2.8
- 3) 2.67
- 4) 5.08
- 5) .3
- 6) 8.2
- 7) 3.25
- 8) 3.69
- 9) .7
- 10) 4.4
- 11) .487
- 12) .262
- 13) $\$11.00 - \$5.75 = \$5.25$
- 14) $\$3.50 - \$2.45 = \$1.05$
- 15) $8.5 - 7.6 = .9$
- 16) $11 - 4.5 = 6.5$ mi.
- 17) $12.4 - 2.375 = 10.025$ years
- 18) $2.1 - .16 = 1.94$ inches

5C

- 1) 6.6
- 2) 1.2
- 3) 7.33
- 4) 3.09
- 5) 5.7
- 6) .9
- 7) 2.97
- 8) .23
- 9) 8.7
- 10) 1.1
- 11) .406
- 12) .289
- 13) $\$225.00 - \$94.76 = \$130.24$
- 14) $\$10.00 - \$7.45 = \$2.55$
- 15) $6.7 - 4.3 = 2.4$
- 16) $\$20.00 - \$16.25 = \$3.75$
- 17) $31 - 7.5 = 23.5$
- 18) $45.6 - 6.5 = 39.1$

5D

- 1) .3
- 2) 8.56
- 3) .005
- 4) 1.01
- 5) 8
- 6) 6.825
- 7) $\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$
- 8) $\frac{2}{9} + \frac{1}{10} = \frac{20}{90} + \frac{9}{90} = \frac{29}{90}$
- 9) $\frac{2}{5} + \frac{3}{8} = \frac{16}{40} + \frac{15}{40} = \frac{31}{40}$
- 10) $1 \times 1,000 + 3 \times 100 + 4 \times \frac{1}{10}$
- 11) $1 \times 1 + 9 \times \frac{1}{10} + 7 \times \frac{1}{100} + 8 \times \frac{1}{1,000}$
- 12) done
- 13) $\frac{2}{3} - \frac{1}{4} = \frac{8}{12} - \frac{3}{12} = \frac{5}{12}$
- 14) $\frac{5}{6} - \frac{3}{7} = \frac{35}{42} - \frac{18}{42} = \frac{17}{42}$
- 15) $10.25 - 9.75 = .5$
- 16) $\$15.00 + \$21.75 = \$36.75$
 $\$36.75 - \$31.99 = \$4.76$
- 17) $\frac{2}{3} - \frac{1}{6} = \frac{12}{18} - \frac{3}{18} = \frac{9}{18} = \frac{1}{2}$
- 18) $\frac{1}{2} = \frac{2}{4}$ they got the same amount

5E

- 1) 5.46
- 2) 6.14
- 3) 1.635
- 4) 8.1
- 5) 4.939
- 6) 32.056
- 7) $\frac{1}{8} + \frac{7}{9} = \frac{9}{72} + \frac{56}{72} = \frac{65}{72}$
- 8) $\frac{4}{5} + \frac{2}{11} = \frac{44}{55} + \frac{10}{55} = \frac{54}{55}$
- 9) $\frac{1}{3} + \frac{1}{4} = \frac{4}{12} + \frac{3}{12} = \frac{7}{12}$
- 10) $2 \times 10^1 + 8 \times 10^0 + 7 \times \frac{1}{10^1} + 8 \times \frac{1}{10^2}$
- 11) 2×10^4
- 12) $\frac{8}{9} - \frac{5}{9} = \frac{3}{9} = \frac{1}{3}$
- 13) $\frac{4}{5} - \frac{1}{2} = \frac{8}{10} - \frac{5}{10} = \frac{3}{10}$
- 14) $\frac{7}{10} - \frac{1}{6} = \frac{42}{60} - \frac{10}{60} = \frac{32}{60} = \frac{8}{15}$
- 15) $7.5 - 5.25 = 2.25$ cups
- 16) $.9 + 1.25 + .3 + .5 = 2.95$ miles
- 17) $4.5 + 13.2 = 17.7$ inches cut off
 $24 - 17.7 = 6.3$ inches left
- 18) $\frac{10}{100} = \frac{1}{10}$
- 19) $100 \div 10 = 10$; $10 \times 5 = 50\text{¢}$
- 20) $\frac{2}{5} + \frac{1}{2} = \frac{4}{10} + \frac{5}{10} = \frac{9}{10}$ of them are gone
 $\frac{10}{10} - \frac{9}{10} = \frac{1}{10}$ still on the job