

2F

- 1) 100,000
- 2) 10,000
- 3) 100
- 4) 3
- 5) 4
- 6) 2
- 7) $5 \times 1,000 + 8 \times 100 + 8 \times 10 + 9 \times 1$;
 $5 \times 10^3 + 8 \times 10^2 + 8 \times 10^1 + 9 \times 10^0$
- 8) $6 \times 10,000 + 4 \times 100 + 1 \times 10$;
 $6 \times 10^4 + 4 \times 10^2 + 1 \times 10^1$
- 9) 7,260
- 10) 55,007
- 11) 81
- 12) 1
- 13) 4
- 14) $\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12}$
- 15) $\frac{3}{5} = \frac{6}{10} = \frac{9}{15} = \frac{12}{20}$
- 16) $\frac{1}{9} = \frac{2}{18} = \frac{3}{27} = \frac{4}{36}$
- 17) $\frac{7}{10} = \frac{14}{20} = \frac{21}{30} = \frac{28}{40}$
- 18) $60 \div 3 = 20$; $20 \times 2 = 40$
- 19) $75 \div 5 = 15$; $15 \times 4 = 60$
- 20) $30 \div 10 = 3$ packages damaged
 $30 - 3 = 27$ packages arrived safely

3A

- 1) 10; 1; 1/100 1/1,000
- 2) multiply
- 3) divide
- 4) done
- 5) $6 \times 10 + 7 \times 1 + 2 \times 1/10 + 1 \times 1/100$
- 6) done
- 7) $2 \times 10^0 + 7 \times \frac{1}{10^2}$
- 8) 1,643.119
- 9) 371.045
- 10) 68.95
- 11) done
- 12) dollar; dimes; pennies; $1.00 + .3 + .08$
- 13) dollar; dimes; pennies; $1.00 + .7 + .02$
- 14) dime
- 15) penny

3B

- 1) 1000; 100; 1; 1/10; 1/1,000
- 2) divide
- 3) multiply
- 4) $1 \times 1 + 9 \times 1/10 + 9 \times 1/100 + 9 \times 1/1,000$
- 5) $2 \times 10 + 3 \times 1 + 6 \times 1/10 + 5 \times 1/100$
- 6) $2 \times 10^2 + 3 \times 10^0 + 1 \times \frac{1}{10^2} + 6 \times \frac{1}{10^3}$
- 7) $8 \times 10^3 + 4 \times 10^2 + 3 \times 10^1 + 9 \times 10^0 + 7 \times \frac{1}{10^1}$
- 8) 2,401.613
- 9) 770.901
- 10) 5.008
- 11) dollars; dime; pennies; .1; .09; 2.19
- 12) 3; 2; 7; $3.00 + .2 + .07 = 3.27$
- 13) dimes; pennies; $.4 + .05 = .45$
- 14) penny
- 15) dime

3C

- 1) 1,000; 100; 10; 1/10; 1/100
- 2) left
- 3) right
- 4) $3 \times 100 + 4 \times 1 + 5 \times 1/100$
- 5) $4 \times 1 + 6 \times 1/10 + 7 \times 1/100 + 9 \times 1/1,000$
- 6) $6 \times 10^2 + 9 \times 10^1 + 1 \times 10^0 + 4 \times \frac{1}{10^1}$
- 7) $2 \times 10^1 + 5 \times 10^0 + 3 \times \frac{1}{10^1}$
- 8) 9,841.132
- 9) 3,006.084
- 10) 200.5
- 11) dollars; dimes; pennies
 $7.00 + .4 + .05 = 7.45$
- 12) 1; 1; 4; $1.00 + .1 + .04 = 1.14$
- 13) dimes; penny; $.6 + .01 = .61$
- 14) dollar
- 15) dollar

3D

- 1) $2 \times 10^3 + 3 \times 10^2 + 1 \times \frac{1}{10^1}$
- 2) $3 \times 10^1 + 8 \times 10^0 + 1 \times \frac{1}{10^1} + 2 \times \frac{1}{10^2} + 3 \times \frac{1}{10^3}$
- 3) 8,715.546
- 4) 6.411
- 5) dollars; dime; pennies; 3.00; .09; 3.19
- 6) 9; 4; $9.00 + .04 = 9.04$
- 7) 25
- 8) 1
- 9) 1,000
- 10) 1
- 11) $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$
- 12) $\frac{5}{8} = \frac{10}{16} = \frac{15}{24} = \frac{20}{32}$
- 13) $\frac{8}{10} = \frac{4}{5}$
- 14) $\frac{4}{24} = \frac{1}{6}$
- 15) $\frac{6}{18} = \frac{1}{3}$
- 16) $\frac{18}{30} = \frac{3}{5}$
- 17) $4 + .3 + .06 = \$4.36$
- 18) $100 \div 10 = 10$; $10 \times 4 = 40$ cents

3E

- 1) $6 \times \frac{1}{10^1} + 1 \times \frac{1}{10^2} + 5 \times \frac{1}{10^3}$
- 2) $1 \times 10^2 + 3 \times 10^1 + 5 \times 10^0 + 4 \times \frac{1}{10^3}$
- 3) 451.221
- 4) 10.607
- 5) dollar; dimes; pennies; $1.00 + .0 + .09 = 1.09$
- 6) 6; 7; 5; $6.00 + .7 + .05 = 6.75$
- 7) 2
- 8) 3
- 9) 2
- 10) 3
- 11) $\frac{4}{5} = \frac{8}{10} = \frac{12}{15} = \frac{16}{20}$
- 12) $\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{12}{28}$
- 13) $\frac{11}{22} = \frac{1}{2}$
- 14) $\frac{5}{25} = \frac{1}{5}$
- 15) $\frac{4}{16} = \frac{1}{4}$
- 16) $\frac{8}{32} = \frac{1}{4}$
- 17) \$1.47
- 18) $100 \div 5 = 20$; $20 \times 3 = 60$ ¢
- 19) $\frac{2}{4} = \frac{1}{2}$
- 20) $10^2 = 100$