

5F

- 1) 6.4
- 2) 2.97
- 3) 3.078
- 4) 7
- 5) 4.535
- 6) 28.708
- 7) $\frac{2}{4} + \frac{2}{5} = \frac{10}{20} + \frac{8}{20} = \frac{18}{20} = \frac{9}{10}$
- 8) $\frac{2}{3} + \frac{1}{4} = \frac{8}{12} + \frac{3}{12} = \frac{11}{12}$
- 9) $\frac{1}{6} + \frac{1}{5} = \frac{5}{30} + \frac{6}{30} = \frac{11}{30}$
- 10) 150,000.04
- 11) 6,800.22
- 12) $\frac{5}{8} - \frac{1}{3} = \frac{15}{24} - \frac{8}{24} = \frac{7}{24}$
- 13) $\frac{9}{10} - \frac{2}{5} = \frac{45}{50} - \frac{20}{50} = \frac{25}{50} = \frac{1}{2}$
- 14) $\frac{1}{4} - \frac{1}{7} = \frac{7}{28} - \frac{4}{28} = \frac{3}{28}$
- 15) $6.345 - 4.738 = 1.607$ ounces
- 16) $\$25.56 + \$6.78 = \$32.34$
- 17) $\$32.34 - \$16.16 = \$16.18$
- 18) $100 \div 100 = 1$; $1 \times 17 = 17$
- 19) $\frac{1}{3} + \frac{1}{4} = \frac{4}{12} + \frac{3}{12} = \frac{7}{12}$
- 20) $36 \div 12 = 3$; $3 \times 7 = 21$ pieces given away
 $36 - 21 = 15$ pieces left

6A

- 1) b: meter
- 2) c: liter
- 3) a: gram
- 4) f: 10
- 5) d: 100
- 6) e: 1,000
- 7) $\frac{\text{kilogram(kg)}}{1,000 \text{ g}}$ $\frac{\text{hectogram(hg)}}{100 \text{ g}}$
 $\frac{\text{dekagram(dkg)}}{10 \text{ g}}$ $\frac{\text{gram(g)}}{1 \text{ g}}$
- 8) $\frac{\text{kiloliter(kl)}}{1,000 \text{ L}}$ $\frac{\text{hectoliter(hl)}}{100 \text{ L}}$
 $\frac{\text{dekaliter(dkl)}}{10 \text{ L}}$ $\frac{\text{liter(l)}}{1 \text{ L}}$
- 9) $\frac{\text{kilometer(km)}}{1,000 \text{ m}}$ $\frac{\text{hectometer(hm)}}{100 \text{ m}}$
 $\frac{\text{dekameter(dkm)}}{10 \text{ m}}$ $\frac{\text{meter(m)}}{1 \text{ m}}$
- 10) 1,000
- 11) 100
- 12) 10

6B

- 1) meter
 - 2) liter
 - 3) gram
 - 4) 1,000
 - 5) 10
 - 6) 100
 - 7) see 6A #7
 - 8) see 6A #8
 - 9) see 6A #9
 - 10) 100
 - 11) 1,000
 - 12) 10
- 6C
- 1) c: meter
 - 2) a: liter
 - 3) b: gram
 - 4) hecto
 - 5) deka
 - 6) kilo
 - 7) see 6A #7
 - 8) see 6A #8
 - 9) see 6A #9
 - 10) 10
 - 11) 100
 - 12) 1,000

6D

- 1) see 6A #7
- 2) see 6A #8
- 3) see 6A #9
- 4) 6.3
- 5) 1.1
- 6) 10.77
- 7) 8.02
- 8) $\frac{1}{6} + \frac{2}{3} = \frac{3}{18} + \frac{12}{18} = \frac{15}{18} = \frac{5}{6}$
- 9) $\frac{2}{5} + \frac{1}{2} = \frac{4}{10} + \frac{5}{10} = \frac{9}{10}$
- 10) $\frac{2}{3} - \frac{1}{4} = \frac{8}{12} - \frac{3}{12} = \frac{5}{12}$
- 11) $\frac{3}{5} - \frac{1}{3} = \frac{9}{15} - \frac{5}{15} = \frac{4}{15}$
- 12) $1\frac{5}{8} = \frac{13}{8}$
- 13) $4\frac{1}{2} = \frac{9}{2}$
- 14) $2\frac{3}{7} = \frac{17}{7}$
- 15) $5\frac{1}{3} = \frac{16}{3}$
- 16) $\$5.95 - \$1.50 = \$4.45$
- 17) 1,000
- 18) $\frac{7}{8} - \frac{1}{4} = \frac{28}{32} - \frac{8}{32} = \frac{20}{32} = \frac{5}{8}$

6E

- 1) see 6A #7
- 2) see 6A #8
- 3) see 6A #9
- 4) 9.9
- 5) 3.9
- 6) 71.216
- 7) .326
- 8) $\frac{2}{4} + \frac{1}{3} = \frac{6}{12} + \frac{4}{12} = \frac{10}{12} = \frac{5}{6}$
- 9) $\frac{2}{6} + \frac{1}{4} = \frac{8}{24} + \frac{6}{24} = \frac{14}{24} = \frac{7}{12}$
- 10) $\frac{3}{4} - \frac{1}{5} = \frac{15}{20} - \frac{4}{20} = \frac{11}{20}$
- 11) $\frac{4}{5} - \frac{1}{2} = \frac{8}{10} - \frac{5}{10} = \frac{3}{10}$
- 12) $2\frac{1}{3} = \frac{7}{3}$
- 13) $1\frac{1}{5} = \frac{6}{5}$
- 14) $6\frac{1}{2} = \frac{13}{2}$
- 15) $3\frac{4}{5} = \frac{19}{5}$
- 16) $5\frac{3}{4} = \frac{23}{4}$ (23 quarters)
- 17) $1 \times 10^2 + 7 \times 10^1 + 6 \times 10^0 + 4 \times \frac{1}{10^1}$
- 18) grams
- 19) $11.5 + 12.25 = 23.75$
 $30.5 - 23.75 = 6.75$ minutes
- 20) $8.875 - 6.625 = 2.25$ inches

6F

- 1) see 6A #7
- 2) see 6A #8
- 3) see 6A #9
- 4) 6.16
- 5) 3.8
- 6) 7.767
- 7) 1.618
- 8) $\frac{2}{6} + \frac{1}{5} = \frac{10}{30} + \frac{6}{30} = \frac{16}{30} = \frac{8}{15}$
- 9) $\frac{1}{2} + \frac{3}{9} = \frac{9}{18} + \frac{6}{18} = \frac{15}{18} = \frac{5}{6}$
- 10) $\frac{4}{7} - \frac{1}{4} = \frac{16}{28} - \frac{7}{28} = \frac{9}{28}$
- 11) $\frac{5}{6} - \frac{1}{8} = \frac{40}{48} - \frac{6}{48} = \frac{34}{48} = \frac{17}{24}$
- 12) $1\frac{1}{8} = \frac{9}{8}$
- 13) $3\frac{2}{5} = \frac{17}{5}$
- 14) $5\frac{1}{4} = \frac{21}{4}$
- 15) $7\frac{3}{10} = \frac{73}{10}$
- 16) $3\frac{5}{6} = \frac{23}{6}$ so 23 people
- 17) $5 \times 5 \times 5 = 125$
- 18) $3.6 + .8 = 4.4$
 $5 - 4.4 = .6$
- 19) liters
- 20) $16 \div 4 = 4$; $4 \times 3 = 12$ did
 $16 - 12 = 4$ didn't

7A

- 1) yard
- 2) quart
- 3) inch
- 4) f: 1/10
- 5) e: 1/100
- 6) d: 1/1,000
- 7) $\frac{\text{gram(g)} \text{ decigram(dg)}}{1 \text{ g} \quad 1/10 \text{ g}}$
 $\frac{\text{centigram(cg)} \text{ milligram(mg)}}{1/100 \text{ g} \quad 1/1,000 \text{ g}}$
- 8) $\frac{\text{liter(l)} \text{ deciliter(dl)}}{1 \text{ L} \quad 1/10 \text{ L}}$
 $\frac{\text{centiliter(cl)} \text{ milliliter(ml)}}{1/100 \text{ L} \quad 1/1,000 \text{ L}}$
- 9) $\frac{\text{meter(m)} \text{ decimeter(dm)}}{1 \text{ m} \quad 1/10 \text{ m}}$
 $\frac{\text{centimeter(cm)} \text{ millimeter(mm)}}{1/100 \text{ m} \quad 1/1,000 \text{ m}}$
- 10) 100
- 11) 1 deciliter
- 12) $28 \times 16 = 448$

7B

- 1) gram
- 2) kilogram
- 3) kilometers
- 4) 1/100
- 5) 1/10
- 6) 1/1,000
- 7) see 7A #7
- 8) see 7A #8
- 9) see 7A #9
- 10) 1
- 11) 1 centimeter
- 12) grams

7C

- 1) meters
- 2) 2 miles
- 3) milliliters
- 4) grams
- 5) 16 ounces
- 6) 36 inches
- 7) see 7A #7
- 8) see 7A #8
- 9) see 7A #9
- 10) 1 millimeter
- 11) 1
- 12) 50