

Test 21

- 1) 21.33
- 2) .25
- 3) 2.07
- 4) $\overline{7.45}$
- 5) $\overline{44.09}$
- 6) $\overline{1.16}$
- 7) $30X = .8$
 $X = .02\frac{2}{3}$
- 8) $.5Y = .123$
 $Y = .24\frac{3}{5}$
- 9) $2.3F = 6.41$
 $F = 2.78\frac{16}{23}$
- 10) 64.55
- 11) 7.23
- 12) 199.98
- 13) $\frac{1}{2}(12 \times 18) = 108$ sq. ft.
- 14) $\frac{1}{2}(5 \times 12) = 30$ sq. in.
- 15) $\frac{1}{2}(10.2 \times 4.1) = 20.91$ sq. m
- 16) $51.84 \div 5.4 = 9.6$ m
- 17) $\$25.45 \times 1.20 = \30.54
- 18) $3.14(8^2) = 200.96$ sq. in.
- 19) grams
- 20) $31 \times 1,000 = 31,000$ g
 $31,000 - 310 = 30,690$ g

Test 22

- 1) $.09G + .38 = .425$
 $.09G = .045$
 $G = .5$
- 2) $.09(.5) + .38 = .425$
 $.045 + .38 = .425$
 $.425 = .425$
- 3) $.4X + 3.6 = 6.4$
 $.4X = 2.8$
 $X = 7$
- 4) $.4(7) + 3.6 = 6.4$
 $2.8 + 3.6 = 6.4$
 $6.4 = 6.4$
- 5) $1.5X + 4 = 4.165$
 $1.5X = .165$
 $X = .11$
- 6) $1.5(.11) + 4 = 4.165$
 $.165 + 4 = 4.165$
 $4.165 = 4.165$
- 7) .94
- 8) 4.03
- 9) 8.97
- 10) 1.8
- 11) .549
- 12) 45
- 13) $2.8 \times 2.8 \times 2.8 = 21.952$ cu. ft.
- 14) $\frac{5}{4} \times \frac{5}{4} \times \frac{5}{4} = \frac{125}{64} = 1\frac{61}{64}$ cu. m
- 15) $3 \times 22 = 66$ sq. in.
- 16) $22 + 4 + 22 + 4 = 52$ in.
- 17) $\frac{1}{2}(4 \times 6) = 12$ sq. m
- 18) $5.4 + 4.2 + 6 = 15.6$ m
- 19) $\$1.69 \times 6 = \10.14
 $\$10.14 \times 1.03 = \10.44
- 20) $.45D + \$1.35 = \23.85
 $.45D = \$22.50$
 $D = \$50$

Test 23

- 1) $3 \div 10 = .30 = 30\%$
- 2) $1 \div 7 = .14\frac{2}{7} = 14\frac{2}{7}\%$
- 3) $2 \div 3 = .66\frac{2}{3} = 66\frac{2}{3}\%$
- 4) $5 \div 6 = .83\frac{1}{3} = 83\frac{1}{3}\%$
- 5) $1 \div 13 = .07\frac{9}{13} = 7\frac{9}{13}\%$
- 6) $8 \div 9 = .88\frac{8}{9} = 88\frac{8}{9}\%$
- 7) $.9R + .5 = .77$
 $.9R = .27$
 $R = .3$
- 8) $.9(.3) + .5 = .77$
 $.27 + .5 = .77$
 $.77 = .77$
- 9) $\overline{5.283}$
- 10) $\overline{303.3}$
- 11) $\overline{4.72}$
- 12) $8 \times 9 \times 5 = 360$ cu. in.
- 13) $3.4 \times 2.1 \times 1 = 7.14$ cu. m
- 14) $\frac{1}{2} \times \frac{1}{2} \times \frac{3}{4} = \frac{3}{16}$ cu. ft.
- 15) $\frac{35}{50} = \frac{70}{100} = 70\%$
- 16) $1 \div 8 = .12\frac{1}{2} = 12\frac{1}{2}\%$
- 17) $\$5.65 \times .60 = \3.39
- 18) $45 \times .80 = 36$ done
 $45 - 36 = 9$ toys left
- 19) $\$11.20 \times 1.20 = \13.44
 $\$20.00 - \$13.44 = \$6.56$
- 20) $100 \div 10 = 10$ ft.

Unit Test III

- 1) .002
- 2) $.002 \times 4 = .008$
- 3) .05
- 4) $.05 \times 6 = .3$
- 5) 430
- 6) $430 \times .2 = 86$
- 7) .07
- 8) $.07 \times .09 = .0063$
- 9) 16
- 10) $16 \times 2.1 = 33.6$
- 11) 1,810
- 12) $1,810 \times .005 = 9.05$
- 13) $6.3W = 11.34$
 $W = 1.8$
- 14) $6.3(1.8) = 11.34$
 $11.34 = 11.34$
- 15) $.7X + .08 = 17.58$
 $.7X = 17.5$
 $X = 25$
- 16) $.7(25) + .08 = 17.58$
 $17.5 + .08 = 17.58$
 $17.58 = 17.58$
- 17) $2 \times 10 = 20$ sq. in.
- 18) $10 + 5.5 + 10 + 5.5 = 31$ in.
- 19) $1.4 \times .7 = .98$ sq. m
- 20) $1.4 + .7 + 1.4 + .7 = 4.2$ m
- 21) $\frac{1}{2}(3 \times 6) = 9$ sq. ft.
- 22) $2 + 4 + 6 = 12$ ft.
- 23) 12.23
- 24) 15.16
- 25) $.87\frac{1}{2}$
- 26) $9 \div 10 = .90 = 90\%$
- 27) $2 \div 7 = .28\frac{4}{7} = 28\frac{4}{7}\%$
- 28) $1 \div 3 = .33\frac{1}{3} = 33\frac{1}{3}\%$
- 29) $3 \div 4 = .75 = 75\%$
- 30) $8 \times 9 \times 7.2 = 518.4$ cu. ft.