

- 1) 12 inches = 1 foot
- 2) inches in numerator to remain in final answer
feet in denominator so they will cancel
- 3) $7,920 \cancel{\text{ft.}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 95,040 \text{ in.}$
- 4) 2,000 pounds = 1 ton
- 5) tons in numerator to remain in final answer
pounds in denominator so they will cancel
- 6) $10,000 \cancel{\text{lbs.}} \times \frac{1 \text{ ton}}{2000 \cancel{\text{lbs.}}} = 5 \text{ tons}$
- 7) 16 ounces = 1 pound
- 8) ounces in numerator to remain in final answer
pounds in denominator so they will cancel
- 9) $5 \cancel{\text{lbs.}} \times \frac{16 \text{ oz.}}{1 \cancel{\text{lbs.}}} = 80 \text{ oz.}$
- 10) 2 pints = 1 quart
- 11) pints in numerator to remain in final answer
quarts in denominator so they will cancel
- 12) $13 \cancel{\text{qt.}} \times \frac{2 \text{ pt.}}{1 \cancel{\text{qt.}}} = 26 \text{ pt.}$
- 13) $(2X - 3)(X + 2) = 0$
 $X = 3/2, X = -2$
- 14) $2(3/2)^2 + (3/2) - 6 = 0$
 $9/2 + 3/2 - 6 = 0$
 $0 = 0$
- 15) $5(b^2 - 25) = 0$
 $5(B - 5)(B + 5) = 0$
 $B = 5, B = -5$
- 16) $5(5)^2 - 125 = 0$
 $5(25) - 125 = 0$
 $0 = 0$
- 17) $6X^2 - 6X - 72 = 0$
 $6(X^2 - X - 12) = 0$
 $6(X - 4)(X + 3) = 0$
 $X = 4, X = -3$
- 18) $6(4)^2 - 6(4) + 18 = 90$
 $6(16) - 24 + 18 = 90$
 $90 = 90$
- 19) $\frac{X \text{ mi.}}{1 \text{ hr.}} = \frac{6 \text{ mi.}}{.5 \text{ hrs.}}$
 $.5X = 6, X = 12$
 $R = 12 \text{ mph}$
- 20) $R = \frac{10 \text{ mi.}}{.8 \text{ hr.}} = 12.5 \text{ mph}$

- 1) $\frac{1 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 144 \text{ in.}^2$
- 2) $\frac{2 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 288 \text{ in.}^2$
- 3) $\frac{1 \cancel{\text{yd.}^2}}{1} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} = 9 \text{ ft.}^2$
- 4) $\frac{1 \cancel{\text{yd.}^3}}{1} \times \frac{36 \text{ in.}}{1 \cancel{\text{yd.}}} \times \frac{36 \text{ in.}}{1 \cancel{\text{yd.}}} \times \frac{36 \text{ in.}}{1 \cancel{\text{yd.}}} = 46,656 \text{ in.}^3$
- 5) $\frac{2 \cancel{\text{ft.}^3}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 3,456 \text{ in.}^3$
- 6) $\frac{8 \cancel{\text{cm}^2}}{1} \times \frac{10 \text{ mm}}{1 \cancel{\text{cm}}} \times \frac{10 \text{ mm}}{1 \cancel{\text{cm}}} = 800 \text{ mm}^2$
- 7) $\frac{9 \cancel{\text{yd.}^2}}{1} \times \frac{36 \text{ in.}}{1 \cancel{\text{yd.}}} \times \frac{36 \text{ in.}}{1 \cancel{\text{yd.}}} = 11,664 \text{ in.}^2$
- 8) $\frac{1 \cancel{\text{mi.}^2}}{1} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} = 27,878,400 \text{ ft.}^2$
- 9) $\frac{100 \cancel{\text{ft.}^2}}{1} \times \frac{1 \text{ yd.}}{3 \cancel{\text{ft.}}} \times \frac{1 \text{ yd.}}{3 \cancel{\text{ft.}}} = 11.11 \text{ yd.}^2$
- 10) $\frac{.5 \cancel{\text{yd.}^2}}{1} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} = 4.5 \text{ ft.}^2$
- 11) $\frac{300 \cancel{\text{ft.}^2}}{1} \times \frac{1 \text{ mi.}}{5280 \cancel{\text{ft.}}} \times \frac{1 \text{ mi.}}{5280 \cancel{\text{ft.}}} = .00001 \text{ mi.}^2$
(rounded)
- 12) $\frac{950 \cancel{\text{cm}^2}}{1} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} = .095 \text{ m}^2$
- 13) 43,560 ft.²
- 14) 4 ft. x 4 ft. x 8 ft. = 128 ft.³
- 15) 27 ft.³
- 16) 9 ft.²

- 1) $\frac{7 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 1,008 \text{ in.}^2$
- 2) $\frac{3 \cancel{\text{m}^2}}{1} \times \frac{100 \text{ cm}}{1 \cancel{\text{m}}} \times \frac{100 \text{ cm}}{1 \cancel{\text{m}}} = 30,000 \text{ cm}^2$
- 3) $\frac{8 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 115.2 \text{ in.}^2$
- 4) $\frac{1.5 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 216 \text{ in.}^2$
- 5) $\frac{8 \cancel{\text{m}^3}}{1} \times \frac{10 \text{ dm}}{1 \cancel{\text{m}}} \times \frac{10 \text{ dm}}{1 \cancel{\text{m}}} \times \frac{10 \text{ dm}}{1 \cancel{\text{m}}} = 8,000 \text{ dm}^3$
- 6) $\frac{3 \cancel{\text{km}^3}}{1} \times \frac{1000 \text{ m}}{1 \cancel{\text{km}}} \times \frac{1000 \text{ m}}{1 \cancel{\text{km}}} \times \frac{1000 \text{ m}}{1 \cancel{\text{km}}} = 3,000,000,000 \text{ m}^3$
- 7) $\frac{5.6 \cancel{\text{ft.}^3}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 9,676.8 \text{ in.}^3$
- 8) $\frac{2 \cancel{\text{ft.}^3}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 3,456 \text{ in.}^3$
- 9) $\frac{7 \cancel{\text{yds.}^3}}{1} \times \frac{36 \text{ in.}}{1 \cancel{\text{yd.}}} \times \frac{36 \text{ in.}}{1 \cancel{\text{yd.}}} \times \frac{36 \text{ in.}}{1 \cancel{\text{yd.}}} = 326,592 \text{ in.}^3$
- 10) $\frac{4 \cancel{\text{mi.}^3}}{1} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} \times \frac{5280 \cancel{\text{ft.}}}{1 \cancel{\text{mi.}}} \times \frac{5280 \cancel{\text{ft.}}}{1 \cancel{\text{mi.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 1,017,400,000,000,000 \text{ in.}^3$
- 11) $\frac{370 \cancel{\text{cm}^3}}{1} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} = .00037 \text{ m}^3$
- 12) $\frac{18 \cancel{\text{cm}^2}}{1} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} = .0018 \text{ m}^2$
- 13) $\frac{2 \cancel{\text{acres}}}{1} \times \frac{43,560 \text{ ft.}^2}{1 \cancel{\text{acre}}} = 87,120 \text{ ft.}^2$
- 14) 4 ft. x 4 ft. x 8 ft. = 128 ft.³
- 15) $\frac{2 \cancel{\text{yards}}}{1} \times \frac{27 \text{ ft.}^3}{1 \cancel{\text{yard}}} = 54 \text{ ft.}^3$
- 16) $\frac{2 \cancel{\text{yards}}}{1} \times \frac{9 \text{ ft.}^2}{1 \cancel{\text{yard}}} = 18 \text{ ft.}^2$

29C

$$1) \frac{1 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 144 \text{ in.}^2$$

$$2) \frac{1 \cancel{\text{yd.}^2}}{1} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} = 9 \text{ ft.}^2$$

$$3) \frac{1 \cancel{\text{mi.}^2}}{1} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} = 27,878,400 \text{ ft.}^2$$

$$4) \frac{1 \cancel{\text{m.}^2}}{1} \times \frac{100 \text{ cm}}{1 \cancel{\text{m.}}} \times \frac{100 \text{ cm}}{1 \cancel{\text{m.}}} = 10,000 \text{ cm}^2$$

$$5) \frac{4 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 576 \text{ in.}^2$$

$$6) \frac{7 \cancel{\text{yd.}^2}}{1} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} = 63 \text{ ft.}^2$$

$$7) \frac{3.2 \cancel{\text{mi.}^2}}{1} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} = 89,210,880 \text{ ft.}^2$$

$$8) \frac{15.7 \cancel{\text{m.}^2}}{1} \times \frac{100 \text{ cm}}{1 \cancel{\text{m.}}} \times \frac{100 \text{ cm}}{1 \cancel{\text{m.}}} = 157,000 \text{ cm}^2$$

$$9) 43,560 \text{ ft.}^2$$

$$10) 9 \text{ ft.}^2$$

$$11) (3X - 2)(X - 1) = 0$$

$$X = 2/3, X = 1$$

$$12) 3(2/3)^2 - 5(2/3) + 2 = 0$$

$$4/3 - 10/3 + 2 = 0$$

$$0 = 0$$

$$3(1)^2 - 5(1) + 2 = 0$$

$$3 - 5 + 2 = 0$$

$$0 = 0$$

$$13) 2(X^2 - 5X + 6) = 0$$

$$2(X - 3)(X - 2) = 0$$

$$X = 3, X = 2$$

$$14) 2(3)^2 - 10(3) + 12 = 0$$

$$18 - 30 + 12 = 0$$

$$0 = 0$$

$$2(2)^2 - 10(2) + 12 = 0$$

$$8 - 20 + 12 = 0$$

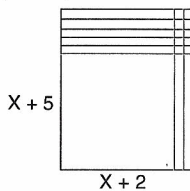
$$0 = 0$$

$$15) (X - 4)(X - 4) =$$

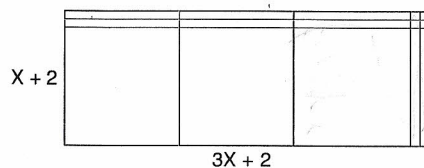
$$X^2 - 8X + 16$$

$$16) 1225 > 1216$$

$$17) (X + 2)(X + 5)$$



$$18) 3X^2 + 8X + 4$$



$$19) WF \times 3 \text{ ft.} = 1 \text{ ft.}$$

$$WF = 1/3 = .333 = 33 \frac{1}{3} \%$$

$$20) WF \times 9 \text{ ft.}^2 = 1 \text{ ft.}^2$$

$$WF = 1/9$$

29D

$$1) \frac{9 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 1,296 \text{ in.}^2$$

$$2) \frac{5 \cancel{\text{yd.}^2}}{1} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} = 45 \text{ ft.}^2$$

$$3) \frac{6 \cancel{\text{mi.}^2}}{1} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} = 167,270,400 \text{ ft.}^2$$

$$4) \frac{18 \cancel{\text{m.}^2}}{1} \times \frac{100 \text{ cm}}{1 \cancel{\text{m.}}} \times \frac{100 \text{ cm}}{1 \cancel{\text{m.}}} = 180,000 \text{ cm}^2$$

$$5) \frac{.75 \cancel{\text{ft.}^2}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 108 \text{ in.}^2$$

$$6) \frac{1.3 \cancel{\text{yd.}^2}}{1} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} = 11.7 \text{ ft.}^2$$

$$7) \frac{25 \cancel{\text{mi.}^2}}{1} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} = 696,960,000 \text{ ft.}^2$$

$$8) \frac{.67 \cancel{\text{m.}^2}}{1} \times \frac{100 \text{ cm}}{1 \cancel{\text{m.}}} \times \frac{100 \text{ cm}}{1 \cancel{\text{m.}}} = 6,700 \text{ cm}^2$$

$$9) \frac{5 \cancel{\text{acres}}}{1} \times \frac{43,560 \text{ ft.}^2}{1 \cancel{\text{acre}}} = 217,800 \text{ ft.}^2$$

$$10) \frac{2 \cancel{\text{cords}}}{1} \times \frac{128 \text{ ft.}^3}{1 \cancel{\text{cord}}} = 256 \text{ ft.}^3$$

$$11) (3X + 3)(X - 4) = 0$$

$$X = -1, X = 4$$

$$12) 3(-1)^2 - 9(-1) - 12 = 0$$

$$3 + 9 - 12 = 0$$

$$0 = 0$$

$$3(4)^2 - 9(4) - 12 = 0$$

$$48 - 36 - 12 = 0$$

$$0 = 0$$

$$13) (X - 6)(X + 6) = 0$$

$$X = 6, X = -6$$

$$14) (6)^2 - 36 = 0$$

$$36 - 36 = 0$$

$$0 = 0$$

$$(-6)^2 - 36 = 0$$

$$36 - 36 = 0$$

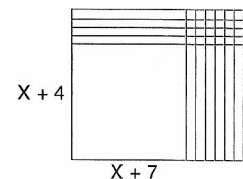
$$0 = 0$$

$$15) (X - 5)(X - 5) =$$

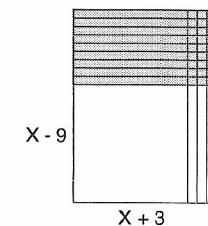
$$X^2 - 10X + 25$$

$$16) 2025 > 2000$$

$$17) (X + 7)(X + 3)$$



$$18) X^2 - 6X - 27$$



$$19) WF \times 36 \text{ in.} = 1 \text{ in.}$$

$$WF = 1/36 = .027 \approx 2.8 \%$$

$$20) WF \times 144 \text{ in.}^2 = 1 \text{ in.}^2$$

$$WF = 1/144$$

29E

$$1) \frac{27 \cancel{\text{ft.}^2}}{1} \times \frac{1 \text{ yd.}}{3 \cancel{\text{ft.}}} \times \frac{1 \text{ yd.}}{3 \cancel{\text{ft.}}} = 3 \text{ yds.}^2$$

$$2) \frac{3 \cancel{\text{yd.}^2}}{1} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} = 27 \text{ ft.}^2$$

$$3) \frac{10,000 \cancel{\text{ft.}^2}}{1} \times \frac{1 \text{ mi.}}{5280 \cancel{\text{ft.}}} \times \frac{1 \text{ mi.}}{5280 \cancel{\text{ft.}}} = .00036 \text{ mi.}^2$$

(rounded)

$$4) \frac{1200 \cancel{\text{cm}^2}}{1} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} \times \frac{1 \text{ m}}{100 \cancel{\text{cm}}} = .12 \text{ m}^2$$

$$5) \frac{1 \cancel{\text{ft.}^3}}{1} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} \times \frac{12 \text{ in.}}{1 \cancel{\text{ft.}}} = 1,728 \text{ in.}^3$$

$$6) \frac{1 \cancel{\text{yd.}^3}}{1} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} \times \frac{3 \text{ ft.}}{1 \cancel{\text{yd.}}} = 27 \text{ ft.}^3$$

$$7) \frac{1 \cancel{\text{mi.}^3}}{1} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}} \times \frac{5280 \text{ ft.}}{1 \cancel{\text{mi.}}}$$

$$= 147,000,000,000 \text{ ft.}^3$$

$$8) \frac{3 \cancel{\text{m}^3}}{1} \times \frac{100 \text{ cm}}{1 \cancel{\text{m}}} \times \frac{100 \text{ cm}}{1 \cancel{\text{m}}} \times \frac{100 \text{ cm}}{1 \cancel{\text{m}}}$$

$$= 3,000,000 \text{ cm}^3$$

$$9) \frac{3 \cancel{\text{acres}}}{1} \times \frac{128 \text{ ft.}^3}{1 \cancel{\text{cord}}} = 384 \text{ ft.}^3$$

$$10) \frac{2 \cancel{\text{yards}}}{1} \times \frac{27 \text{ ft.}^3}{1 \cancel{\text{yard}}} = 54 \text{ ft.}^3$$

$$11) (X - 5)(X - 5) = 0$$

$$X = 5$$

$$12) (5)^2 - 10(5) + 25 = 0$$

$$25 - 50 + 25 = 0$$

$$0 = 0$$

$$13) (X - 7)(X - 5) = 0$$

$$X = 7, X = 5$$

$$14) (7)^2 - 12(7) + 35 = 0$$

$$49 - 84 + 35 = 0$$

$$0 = 0$$

$$(5)^2 - 12(5) + 35 = 0$$

$$25 - 60 + 35 = 0$$

$$0 = 0$$

$$15) (3X - 1)(X - 2) =$$

$$3X^2 - 7X + 2$$

$$16) 5621 > 4800$$

$$17) WF \times 9 \text{ ft.}^2 = 1 \text{ ft.}^2$$

$$WF = 1/9 = .111 \approx 11.1 \%$$

$$18) WF \times 27,878,400 \text{ ft.}^2 = 43,560 \text{ ft.}^2$$

$$WF = 1/640$$

$$19) R = \frac{100 \text{ yds.}}{9 \text{ sec.}} = 11.11 \text{ yds}$$

$$20) R = \frac{200 \text{ mi.}}{5 \text{ hrs.}} = 40 \text{ mph}$$

30A

$$1) 2.5$$

$$2) .9$$

$$3) 1.6$$

$$4) 28$$

$$5) \frac{10 \cancel{\text{km}}}{1} \times \frac{.62 \text{ mi.}}{1 \cancel{\text{km}}} = 6.2 \text{ mi.}$$

$$6) \frac{45 \cancel{\text{oz.}}}{1} \times \frac{28 \text{ g}}{1 \cancel{\text{oz.}}} = 1,260 \text{ g}$$

$$7) \frac{21 \cancel{\text{kg}}}{1} \times \frac{2.2 \text{ lbs.}}{1 \cancel{\text{kg}}} = 46.2 \text{ lbs.}$$

$$8) \frac{15 \cancel{\text{yds.}}}{1} \times \frac{.9 \text{ m}}{1 \cancel{\text{yd.}}} = 13.5 \text{ m}$$

$$9) \frac{15 \cancel{\text{cm}}}{1} \times \frac{.4 \text{ in.}}{1 \cancel{\text{cm}}} = 6 \text{ in.}$$

$$10) \frac{25 \cancel{\text{g}}}{1} \times \frac{.035 \text{ oz.}}{1 \cancel{\text{g}}} = .875 \text{ oz.}$$

$$11) \frac{5 \cancel{\text{qts.}}}{1} \times \frac{.95 \text{ l}}{1 \cancel{\text{qt.}}} = 4.75 \text{ liters}$$

$$12) \frac{54 \cancel{\text{in.}}}{1} \times \frac{2.5 \text{ cm}}{1 \cancel{\text{in.}}} = 135 \text{ cm}$$

$$13) \frac{5 \cancel{\text{km}}}{1} \times \frac{.62 \text{ mi.}}{1 \cancel{\text{km}}} = 3.1 \text{ mi.}$$

$$14) \frac{45 \cancel{\text{lbs.}}}{1} \times \frac{.45 \text{ kg}}{1 \cancel{\text{lb.}}} = 20.25 \text{ kg}$$

$$15) \frac{105 \cancel{\text{oz.}}}{1} \times \frac{28 \text{ g}}{1 \cancel{\text{oz.}}} = 2,940 \text{ g}$$

$$16) \frac{63 \cancel{\text{yds.}}}{1} \times \frac{.9 \text{ m}}{1 \cancel{\text{yd.}}} = 56.7 \text{ m}$$

30B

$$1) .4$$

$$2) 1.1$$

$$3) 2.2$$

$$4) 1.06$$

$$5) \frac{25 \cancel{\text{cm}}}{1} \times \frac{.4 \text{ in.}}{1 \cancel{\text{cm}}} = 10 \text{ in.}$$

$$6) \frac{36 \cancel{\text{g}}}{1} \times \frac{.035 \text{ oz.}}{1 \cancel{\text{g}}} = 1.26 \text{ g}$$

$$7) \frac{12 \cancel{\text{qts.}}}{1} \times \frac{.95 \text{ l}}{1 \cancel{\text{qt.}}} = 11.4 \text{ liters}$$

$$8) \frac{110 \cancel{\text{in.}}}{1} \times \frac{2.5 \text{ cm}}{1 \cancel{\text{in.}}} = 275 \text{ cm}$$

$$9) \frac{36 \cancel{\text{in.}}}{1} \times \frac{2.5 \text{ cm}}{1 \cancel{\text{in.}}} = 90 \text{ cm}$$

$$10) \frac{75.5 \cancel{\text{g}}}{1} \times \frac{.035 \text{ oz.}}{1 \cancel{\text{g}}} = 2.64 \text{ oz.}$$

$$11) \frac{18.5 \cancel{\text{yds.}}}{1} \times \frac{.9 \text{ m}}{1 \cancel{\text{yd.}}} = 16.65 \text{ m}$$

$$12) \frac{55 \cancel{\text{kg}}}{1} \times \frac{2.2 \text{ lbs.}}{1 \cancel{\text{kg}}} = 121 \text{ lbs.}$$

$$13) \frac{16.3 \cancel{\text{mi.}}}{1} \times \frac{1.6 \text{ km}}{1 \cancel{\text{mi.}}} = 26.08 \text{ km}$$

$$14) \frac{36 \cancel{\text{qt.}}}{1} \times \frac{1.06 \text{ qts.}}{1 \cancel{\text{qt.}}} = 38.16 \text{ qts.}$$

$$15) \frac{5.05 \cancel{\text{oz.}}}{1} \times \frac{28 \text{ g}}{1 \cancel{\text{oz.}}} = 141.4 \text{ g}$$

$$16) \frac{360.5 \cancel{\text{cm}}}{1} \times \frac{.4 \text{ in.}}{1 \cancel{\text{cm}}} = 144.2 \text{ in.}$$