

$$(11) \frac{63 \text{ yd}}{1} \left(\frac{3 \text{ ft}}{1 \text{ yd}} \right) = \text{189 ft}$$

$$(13) 2.5 \text{ lb} \left(\frac{16 \text{ oz}}{1 \text{ lb}} \right) = \text{40 oz}$$

$$(15) 4 \text{ min} \left(\frac{60 \text{ sec}}{1 \text{ min}} \right) = \text{240 sec}$$

$$(17) 9 \text{ yd} \left(\frac{0.914 \text{ m}}{1 \text{ yd}} \right) = \text{8.23 m}$$

$$(19) \quad 79 \text{ dollars} \left(\frac{100 \text{ cents}}{1 \text{ dollar}} \right) = \text{7900 cents}$$

$$(21) \quad 89 \text{ cm} \left(\frac{1 \text{ in}}{2.54 \text{ cm}} \right) = 35.04 \text{ inches}$$

$$(23) \quad \frac{4 \text{ fl oz}}{1 \text{ min}} \left(\frac{1 \text{ gallon}}{128 \text{ fl oz}} \right) \left(\frac{60 \text{ min}}{1 \text{ hr}} \right) = \frac{240 \text{ g}}{128 \text{ h}}$$

* goal: gal/hr $\approx 1.875 \text{ gal/hr}$

$$(25) \quad 7 \text{ ft} + 3 \text{ in}$$

↓

$$7 \text{ ft} \left(\frac{12 \text{ in}}{1 \text{ ft}} \right) = 84 \text{ in} + 3 \text{ in} = 87 \text{ in}$$

$$(27) \quad 2.5 \text{ h} \left(\frac{60 \text{ min}}{1 \text{ h}} \right) = 150 \text{ min}$$

$$(29) \quad \frac{75 \text{ cents}}{\text{hours}} \left(\frac{1 \text{ dollar}}{100 \text{ cents}} \right) \left(\frac{24 \text{ hours}}{1 \text{ day}} \right) = \frac{1800 \text{ dollars}}{100 \text{ days}}$$

goal: dollars/day $= \$18/\text{day}$

$$(34) \quad \frac{87 \text{ cents}}{1 \text{ day}} \left(\frac{1 \text{ dollar}}{100 \text{ cents}} \right) \left(\frac{365 \text{ days}}{1 \text{ year}} \right) = \frac{31,755 \text{ dollars}}{100 \text{ year}}$$

goal: dollars/year $= \$317.55/\text{year}$

* 2 conversion factors, b/c you have 2 different units!

$$(36) \quad 9 \text{ yd} = \text{--- ft}$$

$$9 \text{ yd} \left(\frac{3 \text{ yd}}{1 \text{ ft}} \right) = 27 \text{ ft}$$

* yards don't cancel out! You will have yards \times yards = $\frac{\text{yd}^2}{\text{ft}}$

$$\text{Instead } 9 \text{ yd} \left(\frac{3 \text{ ft}}{1 \text{ yd}} \right) = 27 \text{ ft}$$

$$(39) \quad \$39.95 \left(\frac{39.57 \text{ rupees}}{1 \text{ dollar}} \right) = 1,580.82 \text{ rupees}$$

$$\$39.95 \left(\frac{.50 \text{ pounds}}{1 \text{ dollar}} \right) = 19.975 \text{ pounds}$$