Sept - CP

Go over HWK

#3 $\frac{6500 \text{ corvettes}}{1}\left(\frac{4 \text{ Tires}}{1 \text{ corvettes}}\right)$

4 tires = 1 corvette

$3 \times 4 \times 5 = 5 \times 3 \times 4$

= 26,000 Tires

4. $\frac{672 \text{ eggs}}{1}\left(\frac{1 \text{ doz}}{12 \text{ eggs}}\right) =$ 56 doz

5. $\frac{1000 \text{ days}}{1}\left(\frac{1 \text{ year}}{365 \text{ days}}\right) =$ 2.74 yr

6. $\frac{12,200 \text{ digits}}{1}\left(\frac{1 \text{ People}}{20 \text{ digits}}\right) =$ 610 people

7. $\frac{40,000 \text{ sec}}{1}\left(\frac{1 \text{ min}}{60 \text{ sec}}\right) =$ 666.67 min

8. $\frac{100,000 \text{ sec}}{1}\left(\frac{1 \text{ hr}}{3600 \text{ sec}}\right)\left(\frac{1 \text{ day}}{24 \text{ hr}}\right) =$ 1.16 days

9. $\frac{3,000,000 \text{ sec}}{1}\left(\frac{1 \text{ hr}}{3600 \text{ sec}}\right)\left(\frac{1 \text{ day}}{24 \text{ hr}}\right)\left(\frac{1 \text{ yr}}{365 \text{ day}}\right) =$

= .095 yr

or

.1

10. $\frac{12.5\text{g}}{1}\left(\frac{1\text{ Kg}}{1000\text{ g}}\right) = .0125\text{ Kg}$

$= .01\text{ Kg}$

11. $\frac{1.57\text{Km}}{1}\left(\frac{1000\text{m}}{1\text{ Km}}\right) =$ 1570 m

Milli: $\frac{1}{1000}$ or .001

Kilo $\frac{}{1000}$

Constants

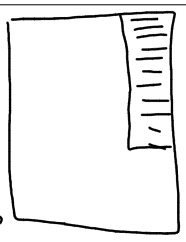
1 mile = 5280 ft

1 yd = 3ft

Furlong = 220 yd

Fortnight = 14 days

1 in = 2.54 cm



$12\frac{\text{ft}}{\text{sec}}\left(\frac{12\text{ in}}{1\text{ ft}}\right)\left(\frac{2.54\text{ cm}}{1\text{ in}}\right)\left(\frac{1\text{ m}}{100\text{ cm}}\right)\left(\frac{3600\text{ sec}}{1\text{ hr}}\right)$ meter/hr

$\frac{12\cdot 12\cdot 2.54\cdot 3600\text{ m}}{100\text{ hr}} = 13,167.36\frac{\text{m}}{\text{hr}}$