**Show all your steps on a separate piece of paper**

Electrical Formulas:

1. V = RI , for R
2. , for V
3. K = , for E
4. , for HP

Where A is Amps, HP is Horsepower,

E is energy, Eff is efficiency

1. , for I

Where HP is hoursepower, I is Amps,

E is energy and Eff is efficiency

Medical Formulas

1. Finding ordered dose: , for D

Where V is the volume on hand,

D is the ordered dose,

and C is the concentration on hand

1. Finding the concentration of a solution:

, for solvent

1. Finding units per Kilogram:

solve for ordered dose

Mechanical Formulas

1. , for HP

Where HP is horsepower and RPM is revolutions per minute

1. , for Pressure

Where CFM is cubic feet per minute, pressure is lb/sq.ft, and Eff is efficiency

Automotive Formulas

1. Piston speed

, for rpm

1. ,for mep

Measurement Formulas

1. , for w
2. , for h
3. , for r
4. , for r
5. , for w
6. , for h