

Wkst Physics Skills Ch 1

$$1) \left(\frac{365 \text{ days}}{1} \right) \left(\frac{24 \text{ hrs}}{1 \text{ Day}} \right) \left(\frac{60 \text{ min}}{1 \text{ hr}} \right) \left(\frac{60 \text{ sec}}{1 \text{ min}} \right) = \boxed{31536000 \text{ Sec}}$$

$$2) \left(\frac{28 \text{ km}}{1} \right) \left(\frac{1000 \text{ m}}{1 \text{ km}} \right) \left(\frac{100 \text{ cm}}{1 \text{ m}} \right) = \boxed{2800000 \text{ cm}}$$

$$3) \left(\frac{45 \text{ kg}}{1} \right) \left(\frac{1000 \text{ g}}{1 \text{ kg}} \right) \left(\frac{1000 \text{ mg}}{1 \text{ g}} \right) = \boxed{\begin{array}{c} 45000000 \text{ mg} \\ \text{or} \\ 4.5 \times 10^7 \text{ mg} \end{array}}$$

$$4) \left(\frac{450 \text{ m}}{5} \right) \left(\frac{60 \text{ s}}{1 \text{ min}} \right) \left(\frac{60 \text{ min}}{1 \text{ hr}} \right) = \boxed{\begin{array}{c} 1620000 \text{ m/hr} \\ \text{or} \\ 1.62 \times 10^6 \text{ m/hr} \end{array}}$$

$$5) \left(\frac{85 \text{ min}}{1 \text{ min}} \right) \left(\frac{1 \text{ m}}{100 \text{ cm}} \right) \left(\frac{1 \text{ min}}{60 \text{ sec}} \right) = \boxed{0.014 \text{ m/sec}}$$

$$6) \left(\frac{3.0 \times 10^8 \text{ s}}{5} \right) \left(\frac{1 \text{ km}}{1000 \text{ m}} \right) \left(\frac{60 \text{ s}}{1 \text{ min}} \right) \left(\frac{60 \text{ min}}{1 \text{ hr}} \right) \left(\frac{24 \text{ hr}}{1 \text{ day}} \right) = \boxed{2.6 \times 10^{10} \frac{\text{km}}{\text{day}}}$$

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