$$139392f+ - 125820f+ = (13572f+)$$

$$= \overline{134.4 \frac{m}{5}}$$

$$= 365 \text{ day} \times \frac{11}{5} \times \frac{365 \text{ day}}{5} = \frac{365 \text{ day}}{730 \text{ kL}}$$

BEX: Determine if each is a valid equation if U: m/s , g: m/s H: m P: pr, p: kg (9) V= P+ JZgH $\frac{M}{5} = \frac{p0}{v_3} + \frac{2 M}{5^2} m$ $\frac{M}{5} = \frac{kg}{ms^2} + \frac{M}{5}$

 $\frac{n^3}{3} = \frac{m^2}{5^2} + \frac{n}{5}$

(b) $V = \sqrt{\frac{2P}{P}} + 2H$ $\frac{m}{5} = \sqrt{\frac{2m^2}{5^2} + 2m} \quad \text{no!}$

(c) $5 = \sqrt{2P + 29H}$ = $\sqrt{2^{m^2} + 2^{m^2} + 2^{m^2} + 2^{m^2} = \sqrt{2^{m^2} + 2^{m^2} + 2^{m$ DET: Finditeach equationis valid it

P:W A: m² J: 5 n: untless

P: 43

(a) $P = 7PAV^{2}$ $W = \frac{kg}{m^{3}} m^{2} \frac{m^{2}}{5^{2}}$ $\frac{3}{5} = \frac{Nm}{5} = \frac{kgm^{2}}{5^{3}} \neq \frac{kgm^{2}}{5^{3}}$ $\frac{kgm^{2}}{5^{3}} \neq \frac{kgm^{2}}{5^{3}}$

(b) $P = \eta P A U^{3}$ $\frac{k_{3}m^{2}}{5^{3}} = \frac{k_{3}m^{2}}{5^{3}} = \frac{k_{3}m^{2}}{5^{3}} = \frac{k_{3}m^{2}}{5^{3}} = \frac{k_{3}m^{2}}{5^{3}} = \frac{k_{3}m^{2}}{5^{3}}$