

CP - Sept 8

$$12. \frac{2,450,000 \cancel{\text{m}}}{1} \left(\frac{1 \text{ km}}{1000 \cancel{\text{m}}} \right) = \boxed{2450 \text{ km}}$$

13.

$$15 \cancel{\text{yr}} \left(\frac{365 \cancel{\text{day}}}{1 \cancel{\text{yr}}} \right) \left(\frac{24 \cancel{\text{hr}}}{1 \cancel{\text{day}}} \right) \left(\frac{3600 \cancel{\text{s}}}{1 \cancel{\text{hr}}} \right) = \boxed{473,040,000 \text{ sec}}$$

14.

$$\frac{40 \cancel{\text{m}}}{\cancel{\text{s}}} \left(\frac{1 \text{ km}}{1000 \cancel{\text{m}}} \right) \left(\frac{3600 \cancel{\text{s}}}{1 \text{ hr}} \right) = \boxed{144 \frac{\text{km}}{\text{hr}}}$$

15.

$$\frac{1.2 \cancel{\text{L}}}{1} \left(\frac{1000 \text{ mL}}{1 \cancel{\text{L}}} \right) = \boxed{1200 \text{ mL}}$$

16.

$$\frac{30 \cancel{\text{m}}}{\cancel{\text{s}}} \left(\frac{1 \text{ km}}{1000 \cancel{\text{m}}} \right) \left(\frac{3600 \cancel{\text{s}}}{1 \text{ hr}} \right) = \boxed{108 \frac{\text{km}}{\text{hr}}}$$

$$\frac{\text{m}}{\text{m}} = 1$$

17.

$$\frac{88 \cancel{\text{ft}}}{\cancel{\text{s}}} \left(\frac{1 \text{ mi}}{5280 \cancel{\text{ft}}} \right) \left(\frac{3600 \cancel{\text{s}}}{1 \text{ hr}} \right) = \boxed{60 \frac{\text{mi}}{\text{hr}}}$$

$$18. \frac{764 \cancel{\text{km}}}{1} \left(\frac{1000 \cancel{\text{m}}}{1 \cancel{\text{km}}} \right) \left(\frac{100 \text{ cm}}{1 \cancel{\text{m}}} \right) = \boxed{76,400 \text{ cm}}$$

19.

$$1832.73 \frac{\text{Fortnight}}{\text{Fortnight}} \left(\frac{220 \text{ yr}}{1 \text{ yr}} \right) \left(\frac{3 \text{ ft}}{1 \text{ yr}} \right) \left(\frac{1 \text{ Fortnight}}{14 \text{ days}} \right) \left(\frac{1 \text{ day}}{24 \text{ hr}} \right) \left(\frac{1 \text{ hr}}{3600 \text{ s}} \right)$$

$$\boxed{1 \frac{\text{ft}}{\text{s}}}$$