

Conversion of Units (Time) **KEY**

Convert the following (Show your Steps)

1. 12 days to minutes	$12 \text{ days} \cdot \frac{24 \text{ hrs}}{1 \text{ day}} \cdot \frac{60 \text{ mins}}{1 \text{ hr}} = 17280 \text{ mins}$
2. 3400 seconds to hours	$3400 \text{ secs} \cdot \frac{1 \text{ min}}{60 \text{ secs}} \cdot \frac{1 \text{ hr}}{60 \text{ mins}} = \frac{3400}{3600} = 0.94 \text{ hours}$
3. 0.12 years to days	$0.12 \text{ yrs} \cdot \frac{365 \text{ day}}{1 \text{ yr}} = 43.8 \text{ days}$
4. 1 234 000 mins to months	$1234000 \text{ mins} \cdot \frac{1 \text{ hr}}{60 \text{ min}} \cdot \frac{1 \text{ day}}{24 \text{ hrs}} \cdot \frac{3 \text{ yr}}{365} \cdot \frac{12 \text{ months}}{1 \text{ yr}} = 2.52 \text{ yr} \cdot \frac{12 \text{ months}}{1 \text{ yr}} = 30.2 \text{ months}$
5. 0.35 days to mins	$0.35 \text{ days} \cdot \frac{24 \text{ hr}}{1 \text{ day}} \cdot \frac{60 \text{ min}}{1 \text{ hr}} = 504 \text{ mins}$
6. 450 days to years	$450 \text{ days} \cdot \frac{1 \text{ yr}}{365 \text{ days}} = 1.23 \text{ yr}$
7. 356 seconds to hours	$356 \text{ secs} \cdot \frac{1 \text{ min}}{60 \text{ secs}} \cdot \frac{1 \text{ hr}}{60 \text{ mins}} = 0.099 \text{ hr}$
8. 0.43 weeks to days	$0.43 \text{ weeks} \cdot \frac{7 \text{ day}}{1 \text{ week}} = 3.01 \text{ days}$
9. 23 years to hours	$23 \text{ yrs} \cdot \frac{365 \text{ days}}{1 \text{ yr}} \cdot \frac{24 \text{ hrs}}{1 \text{ day}} = 201480 \text{ hrs}$
10. 0.002 years to months	$0.002 \text{ yrs} \cdot \frac{12 \text{ month}}{1 \text{ yr}} = 0.024 \text{ months}$