

Name: ..... Class: .....

Convert time units



a. How many minutes are there in 7 hours?

b. Convert 460 minutes to hours and minutes.

c. How many seconds are there in 15 minutes?

d. How many years are there in a decade.



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## Convert time units

**a. How many minutes are there in 7 hours?**

1 hour = 60 minutes

So, 7 hours =  $\frac{60 \text{ minutes} \times 7 \text{ hours}}{1 \text{ hour}}$  $(60 \times 7) \text{ minutes} = 420 \text{ minutes.}$ Therefore, there are **420 minutes** in **7 hours**.**b. Convert 460 minutes to hours and minutes.**

60 minutes = 1 hour

So, 460 minutes =  $\frac{460 \text{ minutes} \times 1 \text{ hours}}{60 \text{ minutes}}$  $\frac{460}{60}$  minutes =

$$\begin{array}{r} 7 \\ 60 \overline{) 460} \\ \underline{- 420} \\ 40 \end{array}$$

Therefore, **7 hours** and **40 minutes** is equal to **460 minutes****c. How many seconds are there in 15 minutes?**

1 minutes = 60 seconds

So, 15 minutes =  $\frac{60 \text{ seconds} \times 15 \text{ minutes}}{1 \text{ minutes}}$  $(60 \times 15) \text{ seconds} = 900 \text{ seconds}$ Therefore, there are **900 seconds** in **15 minutes****d. How many years are there in a decade.**

We know that 1 decade = 10 years

Therefore, there are **10 years** in **1 decade**