

Name: Class:

Convert mixed time units

a. 5 years 6 days = _____ days.

d. 79 weeks 10 mins = _____ mins.

b. 9,617 seconds = _____ hours
_____ seconds

e. 19 years 6 months = _____ months.

c. 717 months = _____ years
_____ months



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Convert mixed time units

a. 5 years 6 days = 1,825 days.
Let's first of all convert from years to days,
If 1 year = 365 days,
then 5 years = $\frac{365 \times 5}{1}$ days = 1,825 days.

So, 5 years 6 days = 1,825 days.

b. 9,617 seconds = 160 hours
17 seconds.

If 60 s = 1 hour,
then 9,617 s = $\frac{9,617 \times 1}{60}$ hours,

$$= 60 \overline{) 9,617} \\ \underline{- 60} \\ 361 \\ \underline{- 360} \\ 17 \\ 00 \\ 17$$

So, 9,617 seconds = 160 hours 17 seconds.

c. 717 months = 59 years
9 months.

If 12 months = 1 year,
then 717 months = $\frac{717 \times 1}{12}$ years

$$= 12 \overline{) 717} \\ \underline{- 60} \\ 117 \\ \underline{- 108} \\ 9$$

So, 717 months = 59 years 9 months.

d. 79 weeks 10 mins = 796,330 mins.

Let's first of all convert 79 weeks into mins,
We know that,

If 1 week = 7 days,

1 day = 24 hours,

1 hour = 60 mins.

therefore, 1 week = $7 \times 24 \times 60$ mins
= 10,080 mins,

If 1 week = 10,080 mins

then 79 weeks = $\frac{10,080 \times 79}{1}$ mins

= 796,320 mins

Now, let's add 10 mins to 796,320 mins.

796,320 mins + 10 mins = 796,330 mins.

So, 79 weeks 10 mins = 796,330 mins.

e. 19 years 6 months = 234 months.

Let's first of all convert from years to months,

If 1 year = 12 months,

then 19 years = $\frac{19 \times 12}{1}$ months

= 228 months.

Now, let's add 6 months to 228 months.

228 months + 6 months = 234 months.

So, 19 years 6 months = 234 months.

