

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

Fractions of time units



a. Find the number of hours in  $\frac{1}{4}$  of a day.

d. Find the fraction of a week in 2 days.

b. Find the fraction of a century in 50 years.

e. Find the fraction of minutes in 54 seconds.

c. Find the number of minutes in  $\frac{1}{4}$  hours.

f. Find the fraction of a millennium in 650 years.



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

Fractions of time units



a. Find the number of hours in  $\frac{1}{4}$  of a day.

If 1 day = 24 hours,  
then  $\frac{1}{4}$  days =  $\frac{24 \times \frac{1}{4}}{1}$  hours,  
 $= 24 \times \frac{1}{4}$  hours.  
 $= \frac{24 \times 1}{4}$  hours = 6 hours.

So, 6 hours makes up  $\frac{1}{4}$  of a day.

b. Find the fraction of a century in 50 years.

If 100 years = 1 century,  
then 50 years =  $\frac{50 \times 1}{100}$  century.  
 $= \frac{5}{10}$  century.  
 $= \frac{1}{2}$  century.

So,  $\frac{1}{2}$  is a fraction of a century in 50 years.

c. Find the number of minutes in  $\frac{1}{4}$  hours.

If 1 hour = 60 minutes,  
then  $\frac{1}{4}$  hour =  $\frac{60 \times \frac{1}{4}}{1}$  minutes  
 $= \frac{60}{4}$  minutes  
 $= 15$  minutes

So, there are 15 minutes in a  $\frac{1}{4}$  hour.

d. Find the fraction of a week in 2 days.

If 7 days = 1 week,  
then 2 days =  $\frac{2 \times 1}{7}$  weeks.  
 $= \frac{2}{7}$  weeks.

So,  $\frac{2}{7}$  is a fraction of a week in 2 days.

e. Find the fraction of minutes in 54 seconds.

If 60 seconds = 1 minute,  
then 54 seconds =  $\frac{54 \times 1}{60}$  minutes.  
 $= \frac{9 \times 6}{10 \times 6} = \frac{9}{10}$  minutes.

So,  $\frac{9}{10}$  is a fraction of minutes in 54 seconds.

f. Find the fraction of a millennium in 650 years.

If 1,000 years = 1 millennium,  
then 650 years =  $\frac{650 \times 1}{1,000}$  millenium.  
 $= \frac{65}{100} = \frac{13 \times 5}{20 \times 5} = \frac{13}{20}$  mellinium.

So,  $\frac{13}{20}$  is a fraction of a mellinium in 650 years.

