

Ex 20(A)

1a) 15 hours into minutes =  $15 \times 60 = 900$  minutes

b) 9 hours 56 minutes into minutes =  $9 \times 60 + 56 = 596$  minutes

c) 36 mins into seconds =  $36 \times 60 = 2160$  seconds

d) 12 mins 25 secs into seconds =  $12 \times 60 + 25 = 745$  seconds

e) 5 days into hours = 120 hours

f) 12 days 9 hours into hours = 297 hours

2a) 5 yrs 9 months into months into months  
Ans 1 year = 12 months

5 yrs 9 mths =  $5 \times 12 + 9 = 69$  months

b) 9 weeks into days  
Ans 1 week = 7 days  
9 weeks =  $9 \times 7 = 63$  days

c) 12 weeks 5 days

1 week = 7 days  
12 weeks =  $7 \times 12 = 84$  days  
12 weeks 5 days =  $84 + 5 = 89$  days

d 7 weeks into hours

Ans 1 week = 7 days  
 7 weeks =  $7 \times 7 = 49$  days

1 day = 24 hours  
 $49 \text{ days} = 49 \times 24 = 1176 \text{ hours}$

3a 7 day into ~~seconds~~ seconds

Ans 1 day = 24 hrs  
 1 hr = 60 min  
 24 hrs = 1440 min

1 min = 60 sec  
 $1440 \text{ min} = 1440 \times 60 = 86400$

b 5 weeks into secs

Ans 1 week = 7 days  
 5 weeks =  $5 \times 7 = 35$  days

1 day = 24 hrs  
 $35 \text{ days} = 24 \times 35 = 840 \text{ hours}$

1 hr = 60 min  
 1 min = 60 sec  
 $840 \text{ hrs} = 50,400$   
 $50,400 \text{ min} = 3,024,000$   
 $\frac{3,024,000}{60} = 50,400$   
 $\frac{50,400}{60} = 840$   
 840 sec

20) 2 months into secs

Ans 1 month = 30 days

2 months =  $30 \times 2 = 60$  days

1 day = 24 hours

60 days =  $24 \times 60 = 1440$  hours

1 hour = 60 sec

1440 hrs =  $1440 \times 60 = 207360$  sec

21) 812 secs into mins and secs.

Ans 1 min = 60 secs = 60 secs = 1 min

812 secs =  $812 \div 60 = 13$  mins 32 secs

b) 924 mins into hrs and mins

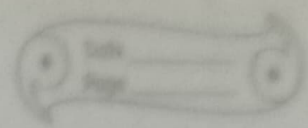
Ans 60 mins = 1 hr

924 mins =  $924 \div 60 = 15$  hr and 24 mins

c) 105 hours into days and hrs

Ans 24 hrs = 1 day

105 hours =  $105 \div 24 = 4$  days 9 hrs



(d) 745 hrs into days and hours

Ans 24 hrs = 1 day

$$745 \text{ hrs} = 31 \text{ days } 1 \text{ hrs}$$

(e) 1024 mins into hours and minutes

Ans 60 mins = 1 hr

$$1024 \text{ mins} = 1024 \div 60 = 17 \text{ hrs } 4 \text{ mins}$$

8- convert

a 512 days into weeks and days.

Ans 1 week = 7 days

$$512 \text{ days} = 73 \text{ weeks } 1 \text{ day}$$

b) 365 days into weeks and days

Ans 7 days = 1 week

$$365 \text{ days} = 52 \text{ weeks } 1 \text{ day}$$

c) 52 months into years and months

Ans 12 months = 1 year

$$52 \text{ months} = 52 \div 12 = 4 \text{ years } 4 \text{ months}$$

d) 86 months into years and months

$$12 \text{ months} = 1 \text{ year}$$

$$86 \text{ months} = 86 \div 12 = 7 \text{ years and } 2 \text{ months}$$

e) 342 <sup>days</sup> into months and days

$$\text{Ans } 30 \text{ days} = 1 \text{ month}$$

$$342 \text{ days} = 342 \div 30 = 11 \text{ months } 12 \text{ days}$$

6-d) 16 hours 600 seconds into mins

$$\text{Ans } 1 \text{ hr} = 60 \text{ mins}$$

$$600 \text{ secs} = 10 \text{ mins}$$

$$16 \text{ hours } 10 \text{ mins} = 970 \text{ mins}$$

b. I have 360 secs into mins

Ans  $1 \text{ hr} = 60 \text{ mins}$

$360 \text{ secs} = 6 \text{ mins}$

$9 \text{ hrs } 6 \text{ mins} = 546 \text{ mins}$

c) 2 days 180 mins into hrs

Ans  $24 \text{ hrs} = 1 \text{ day}$

$2 \text{ days} = 48 \text{ hrs} (24 \times 2)$

$180 \text{ mins} = 180 \div 60 = 3 \text{ hrs}$

$= 51 \text{ hrs (Ans)}$

d) 9 days 420 mins into hours

Ans  $24 \text{ hrs} = 1 \text{ day}$

$9 \text{ days} = 24 \times 9 = 216 \text{ hours}$