

# CHAPTER 7 : TIME GOES ON

{ CONVERSION BETWEEN HOURS , DAYS , WEEKS AND YEARS  
MATHS COPY 1  
DATE : 02 / 11 / 2021

## WS 73

- 1) 3Hrs45mins into mins =  $(3 \times 60 + 45)\text{mins} = 225 \text{ mins}$
- 2) 720 mins into hrs. =  $(720 \div 60)\text{hrs} = 12 \text{ hrs}$
- 3) 65 mins 72seconds into seconds =  $(65 \times 60 + 72)\text{secs}$   
 $= (3900 + 72)\text{secs} = 3972 \text{ secs}$
- 4) 892 mins into hrs and mins. =  $(892 \div 60)\text{mins} = 14 \text{ hours } 52 \text{ mins}$
- 5) 908 seconds into mins and seconds. =  $(908 \div 60)\text{secs}$   
 $= 15 \text{ mins } 8 \text{ secs}$

1) Convert the time between days and hours.

1) 2 days = \_\_\_\_\_ hours.

Sol. : We know,

1 day = 24 hours

Therefore , 2 days = (2 x 24) hours  
= 48 hours.

Ans. : 2 days = 48 hours

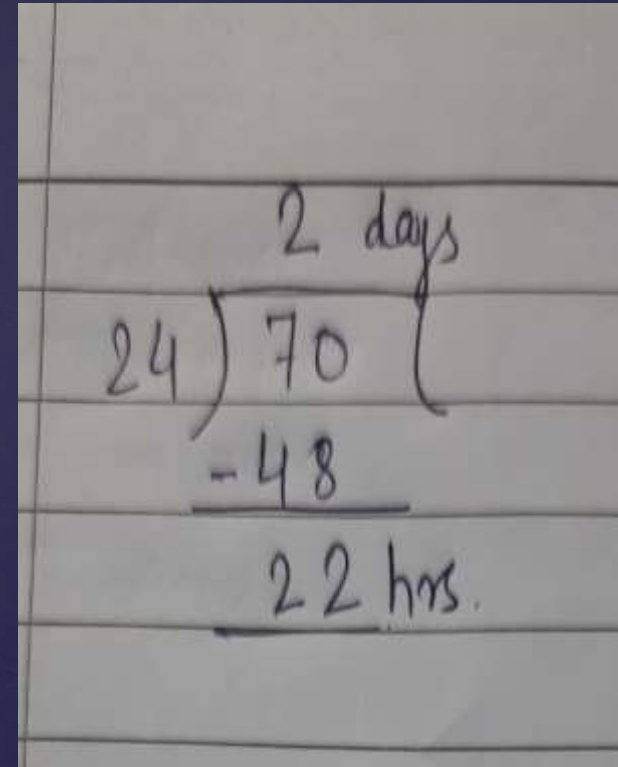
2) Convert 70 hours into days and hours.

**Sol.: We know,**

$$24 \text{ hours} = 1 \text{ day}$$

$$\begin{aligned} \text{Therefore, } 70 \text{ hours} &= (70 \div 24) \text{ days} \\ &= 2 \text{ days } 22 \text{ hours.} \end{aligned}$$

**Ans. : 70 hours = 2 days 22 hours**



Handwritten division on lined paper:

$$\begin{array}{r} 2 \text{ days} \\ 24 \overline{) 70} \\ \underline{-48} \\ 22 \text{ hrs.} \end{array}$$

### 3) Convert the time between weeks and days

3) 3 Weeks = \_\_\_\_\_ days

Sol. : We know,

1 week = 7 days

Therefore , 3 weeks = (3 x 7) days

= 21 days

Ans.: 3 weeks = 21 days

4) Convert 30 days into weeks and days.

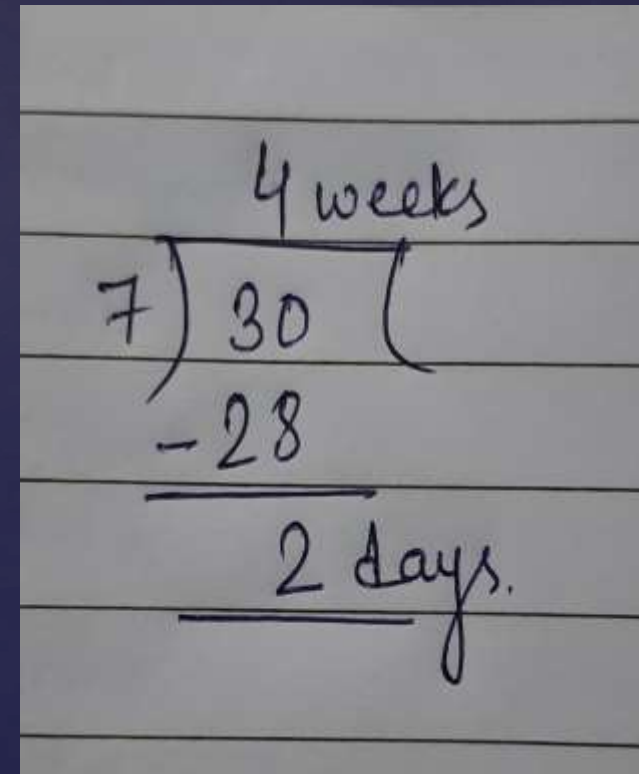
**Sol.:** We know ,

$$7 \text{ days} = 1 \text{ week}$$

Therefore , 30 days =  $(30 \div 7)$  weeks

$$= 4 \text{ weeks } 2 \text{ days}$$

**Ans. :** 30 days = 4 weeks 2 days



Handwritten division showing 30 divided by 7 equals 4 weeks and 2 days.

$$\begin{array}{r} 4 \text{ weeks} \\ 7 \overline{) 30} \\ \underline{-28} \\ 2 \text{ days.} \end{array}$$

## 5) Convert the time between days and years

2 years = \_\_\_\_\_ days

Sol.: We know ,

1 year = 365 days

Therefore , 2 years =  $(2 \times 365)$  days  
= 730 days

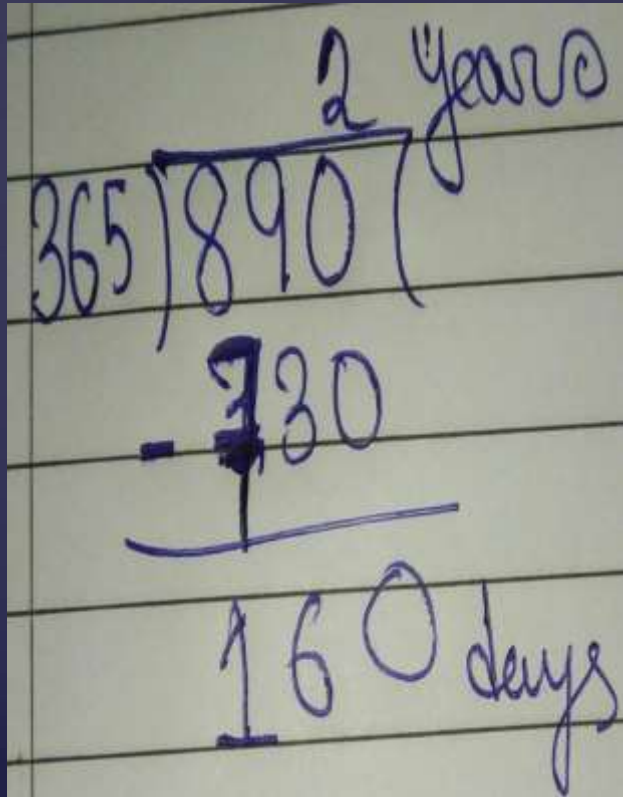
Ans.: 2 years = 730 days

6) Converts 890 days into years and days.

**Sol.: We know ,**

**1 year = 365 days**

**Therefore, 890 days =  $890 \div 365$  days  
= 2 years 160 days**



Handwritten long division on lined paper:

$$\begin{array}{r} 2 \text{ years} \\ 365 \overline{) 890} \\ \underline{- 730} \\ 160 \text{ days} \end{array}$$

## WS 74

I. Convert:

a) 5 years = \_\_\_\_\_ days

b) 7 days = \_\_\_\_\_ week

c) 100 weeks = \_\_\_\_\_ days

d) 30 days = \_\_\_\_\_ hours

e) 72 hours = \_\_\_\_\_ days

THANK YOU