

CLASS: 5

Ch. 13. TIME

Exercise-13B

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MATHS

Q.F. ① Convert

= 120 days + 7 days = 127 days Ans

VIDEO: 3

920 hours into days and hours.

Q.G. ② Convert 6 weeks 6 days

into days and hours.

Solution into days

SOLUTION

Q → 38 days

∴ 24 hours = 1 day

24) 920

∴ 920 hours =  $920 \div 24$

- 72

= 38 days 8 hours

200

- 192

Ans

R → 8 hrs

∴ 1 week = 7 days

∴ 6 weeks =  $7 \times 6 = 42$  days

∴ 6 weeks 6 days

= 42 days + 6 days

= 48 days Ans

Q.G. ① Convert 4 months 7 days

Q.G. ⑥ Convert 15 weeks

Solution into days.

Solution into days

∴ 1 month = 30 days

∴ 4 months =  $30 \times 4 = 120$  days

∴ 4 months 7 days

∴ 1 week = 7 days

∴ 15 weeks =  $15 \times 7$  days

= 105 days Ans

Q. H. ① Convert 40 days into weeks and days.

Solution:  $\because 7 \text{ days} = 1 \text{ week}$   
 $\therefore 40 \text{ days} = 40 \div 7 = 5 \text{ weeks } 5 \text{ days}$   
 Ans

|                                 |
|---------------------------------|
| $8 \rightarrow 5 \text{ weeks}$ |
| $7 \overline{)40}$              |
| $\underline{-35}$               |
| $R \rightarrow 5 \text{ days}$  |

Q. I. ① Convert 162 days into months and days.

SOLUTION:  $\because 30 \text{ days} = 1 \text{ month}$   
 $\therefore 162 \text{ days} = 162 \div 30 = 5 \text{ months } 12 \text{ days}$   
 Ans

|                                  |
|----------------------------------|
| $8 \rightarrow 5 \text{ months}$ |
| $30 \overline{)162}$             |
| $\underline{-150}$               |
| $R \rightarrow 12 \text{ days}$  |

Q. I. (4). Convert 18 weeks into months and days.

Solution Step-I  
 $\because 1 \text{ week} = 7 \text{ days}$   
 $\therefore 18 \text{ weeks} = 18 \times 7 = 126 \text{ days}$

Step-II  
 $\because 30 \text{ days} = 1 \text{ month}$   
 $\therefore 126 \text{ days} = 126 \div 30 = 4 \text{ months } 6 \text{ days}$   
 Ans

|                                |                                      |
|--------------------------------|--------------------------------------|
| $30 \overline{)126}$           | $(4 \text{ months } 6 \text{ days})$ |
| $\underline{-120}$             | $\uparrow$                           |
| $R \rightarrow 6 \text{ days}$ | $Q$                                  |

Q. J. ① Convert 4 years 5 months into months.

Solution:  $\because 1 \text{ year} = 12 \text{ months}$   
 $\therefore 4 \text{ years} = 12 \times 4 = 48 \text{ months}$   
 $\therefore 4 \text{ years } 5 \text{ months} = 48 \text{ months} + 5 \text{ months} = 53 \text{ months}$   
 Ans

Q. K. ① Convert 158 months into years and months:

Solution:

∴ 12 months = 1 year  
∴ 158 months =  $158 \div 12$   
= 13 years 2 months  
Ans

Q → 13 years  
$$\begin{array}{r} 12 \overline{) 158} \\ \underline{- 12} \phantom{0} \\ 38 \\ \underline{- 36} \\ 2 \end{array}$$
  
R → 2 months

Q. L. Anixudh travelled in a bus for 3 hours and 20 minutes. How many minutes did he take?

Solution: ∵ 1 hour = 60 minutes

∴ 3 hours =  $60 \times 3 = 180$  minutes  
∴ 3 hours 20 minutes  
= 180 minutes + 20 minutes  
= 200 minutes

Anixudh travelled in a bus for 200 minutes. Ans

Q. M. Daniel goes for painting class everyday for 35 minutes. How many hours does he learn painting in a month? Solution:

Daniel goes for painting class everyday for = 35 minutes  
No. of days in a month = 30  
∴ He learnt painting in a month for =  $35 \times 30$  minutes  
= 1050 minutes  
= 17 hours 30 minutes Ans

∵ 60 min = 1 hr  
∴ 1050 min =  $1050 \div 60$   
= 17 hours 30 minutes

Q → 17 hours  
$$\begin{array}{r} 60 \overline{) 1050} \\ \underline{- 60} \phantom{0} \\ 450 \\ \underline{- 420} \\ 30 \end{array}$$
  
R → 30 min