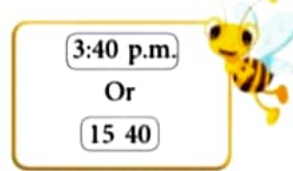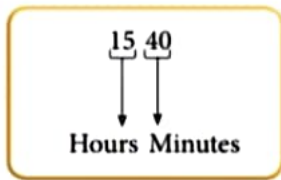# 24-hour time notation
&
Conversion of time

24 – HOUR TIME NOTATION

✳ *The 24- hour time notation is represented by a 24 hour clock.*

✳ *12 midnight to 12 midnight (1 day) is given as 0000 hours to 2400 hours.*

✳ *First two digit refer to hours and the last two digits to minutes.*

The table given below shows the 24-hour time equivalent to12-hour time.

12-Hour Time	24-Hour Time	12-Hour Time	24-Hour Time
12:01 a.m.	0001 hour	12 noon	1200 hours
1:00 a.m.	0100 hours	1:00 p.m.	1300 hours
2:00 a.m.	0200 hours	2:00 p.m.	1400 hours
3:00 a.m.	0300 hours	3:00 p.m.	1500 hours
4:00 a.m.	0400 hours	4:00 p.m.	1600 hours
5:00 a.m.	0500 hours	5:00 p.m.	1700 hours
6:00 a.m.	0600 hours	6:00 p.m.	1800 hours
7:00 a.m.	0700 hours	7:00 p.m.	1900 hours
8:00 a.m.	0800 hours	8:00 p.m.	2000 hours
9:00 a.m.	0900 hours	9:00 p.m.	2100 hours
10:00 a.m.	1000 hours	10:00 p.m.	2200 hours
11:00 a.m.	1100 hours	11:00 p.m.	2300 hours
		12 midnight	2400 hours or 0000 hours

CONVERSION OF TIME

i) 60 seconds = 1 minute

ii) 1 second = 1/60 minutes

iii) 60 minutes = 1 hour

iv) 1 minute = 1/60 hour

Converting from Hours to Minutes and Minutes to Hours

Conversion of time

Hours to minutes

(a) 5 h

$1 h = 60 \text{ mins.}$

$= 5 \times 60 \text{ mins}$

$= 300 \text{ mins}$

(b) 2h 45 min

$1 h = 60 \text{ mins.}$

$= 2 \times 60 + 45 \text{ mins}$

$= 120 \text{ min} + 45 \text{ mins}$

$= \underline{\underline{165 \text{ mins}}}$

Conversion of time

Minutes to hours.

a) 480 min

$1 \text{ min} = \frac{1}{60} \text{ hour}.$

$480 \times \frac{1}{60} \text{ hour}.$

$\frac{480}{60} = \underline{8 \text{ hours}}$

b) 352 min

$1 \text{ min} = \frac{1}{60} \text{ hours}.$

$352 \times \frac{1}{60} \text{ hours}.$

$\begin{array}{r} 5 \text{ hour} \\ 60 \overline{)352} \\ -300 \\ \hline 52 \text{ min} \end{array}$

$\frac{352}{60} \text{ hours}.$

Ans: 5 hours 52 minutes