



## TIME

### 'Conversion between hours, minutes and seconds'

Let's look at some facts.

We know that

$$1 \text{ hour} = 60 \text{ minutes and}$$

$$1 \text{ minute} = 60 \text{ seconds}$$

Look at examples below to understand conversion between hours, minutes and seconds

$$1) 2 \text{ hours} = 2 \times 60 \text{ minutes} = 120 \text{ minutes}$$

$$2) 3 \text{ hours and } 15 \text{ minutes} = 3 \times 60 \text{ minutes} + 15 \text{ minutes} \\ = 180 \text{ minutes} + 15 \text{ minutes} = 195 \text{ minutes}$$

$$3) 7 \text{ minutes} = 7 \times 60 \text{ seconds} = 420 \text{ seconds}$$

$$4) 2 \text{ minutes } 50 \text{ seconds} = 2 \times 60 \text{ seconds} + 50 \text{ seconds} \\ = 120 \text{ seconds} + 50 \text{ seconds} = 170 \text{ seconds}$$

$$5) 120 \text{ minutes} = 2 \text{ hours (divide 120 by 60)}$$

$$6) 185 \text{ minutes} = 3 \text{ hours and } 5 \text{ minutes}$$

$$\begin{array}{r} 3 \rightarrow \text{ hours} \\ 60 \overline{) 185} \\ \underline{180} \\ 5 \rightarrow \text{ remainder} \\ \text{(minutes)} \end{array}$$