

# Convert from one unit of time to another







## Convert from one unit of time to another

#### Conversions:

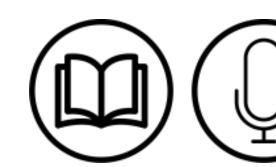
1 Hour = 60 Minutes

1 Minute = 1/60 Hour

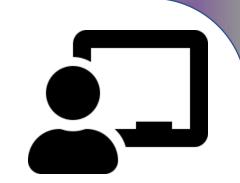
1 Minute = 60 Seconds

1 Second = 1/60 Minutes

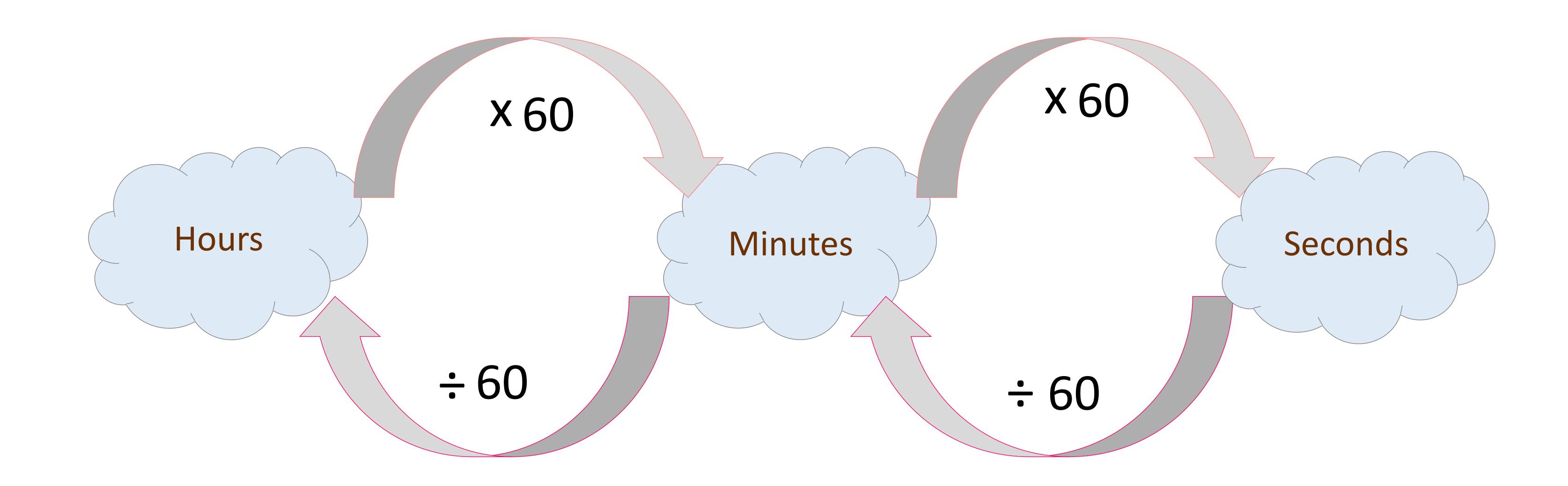








## Convert from one unit of time to another







## Convert hours into minutes



To convert hours into minutes, we have to multiply with 60.

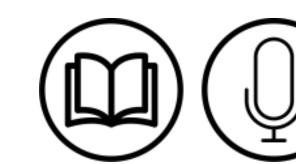
1 hour = 60 minutes

 $2 \text{ hours} = 2 \times 60$ 

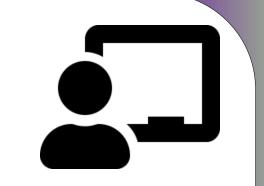
= 120 minutes

 $3 \text{ hours} = 3 \times 60$ 

= 180 minutes







#### Convert 5 hours into minutes.

#### Solution:

1 hour = 60 minutes

 $5 \text{ hours} = 5 \times 60 \text{ minutes}$ 

= 300 minutes

5 hours = 300 minutes

#### Convert 8 hours into minutes.

#### Solution:

1 hour = 60 minutes

 $8 \text{ hours} = 8 \times 60 \text{ minutes}$ 

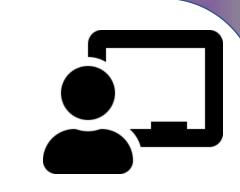
= 480 minutes

8 hours = 480 minutes





## Convert hours & minutes into minutes



## Example: 3

Convert 6 hours and 25 minutes into minutes.

#### Solution:



#### Step 1:

Convert the hours into minutes.

 $6 \text{ hours} = 6 \times 60 \text{ minutes}$ 

= 360 minutes

6 hours = 360 minutes

#### Step 2:

Add the converted minutes with the given minutes

6 hours and 25 minutes = 360 + 25

= 385 minutes

6 hours and 25 minutes = 385 minutes





## Convert minutes into seconds



To convert minutes into seconds, we have to multiply with 60.

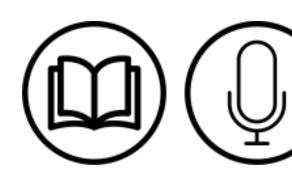
1 minute = 60 seconds

 $2 \text{ minutes} = 2 \times 60$ 

= 120 seconds

3 minutes = 3 X 60

= 180 seconds





#### Convert 3 minutes into seconds.

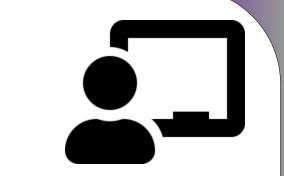
#### Solution:

1 minute = 60 seconds

 $3 \text{ minutes} = 3 \times 60 \text{ seconds}$ 

= 180 seconds

3 minutes = 180 seconds



## Example: 2

Convert 9 minutes into seconds.

#### Solution:

1 minute = 60 seconds

 $9 \text{ minutes} = 9 \times 60 \text{ seconds}$ 

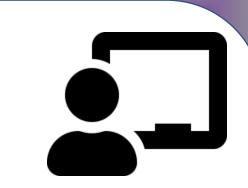
= 540 seconds

9 minutes = 540 seconds





## Convert minutes & seconds into seconds



### Example: 3

Convert 45 minutes and 35 seconds into seconds.

#### Solution:

#### Step 1:

Convert the minutes into seconds.

 $45 \text{ minutes} = 45 \times 60 \text{ seconds}$ 

= 2700 seconds

45 minutes = 2700 seconds

#### Step 2:

Add the converted seconds with the given seconds

45 minutes and 35 seconds = 2700 + 35

= 2735 seconds

45 minutes and 35 seconds = 2735 seconds





## Convert minutes into hours



## To convert minutes to hours, we have to divide by 60.

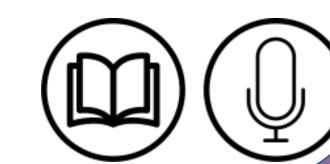
1 minute  $= 1 \div 60$  hours

 $60 \text{ minutes} = 60 \div 60$ 

= 1 hour

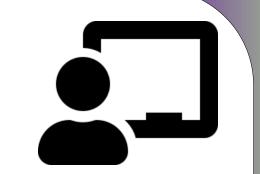
 $180 \text{ minutes} = 180 \div 60$ 

= 3 hours





## Example: 2



#### Convert 240 minutes into hours.

## Solution:

1 minute  $= 1 \div 60$  hours

240 minutes =  $240 \div 60$  hours

= 4 hours

240 minutes = 4 hours

Convert 420 minutes into hours.

#### Solution:

1 minute  $= 1 \div 60$  seconds

 $420 \text{ minutes} = 420 \div 60 \text{ hours}$ 

= 7 hours

420 minutes = 7 hours





## Convert seconds into minutes



To convert seconds into minutes, we have to divide by 60.

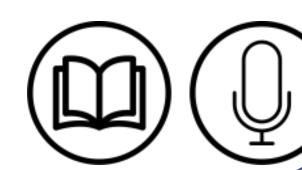
1 second =  $1 \div 60$  minutes

 $60 \text{ seconds} = 60 \div 60$ 

= 1 minute

 $180 \text{ seconds} = 180 \div 60$ 

= 3 minutes





## Example: 2

Convert 300 seconds into minutes.

#### Solution:

1 seconds  $= 1 \div 60$  minutes

 $300 \text{ seconds} = 300 \div 60 \text{ minutes}$ 

= 5 minutes

300 seconds = 5 minutes

Convert 600 seconds into minutes.

#### Solution:

1 seconds  $= 1 \div 60$  minutes

 $600 \text{ seconds} = 600 \div 60 \text{ minutes}$ 

= 10 minutes

600 seconds = 10 minutes

