



Convert from one unit of time to another





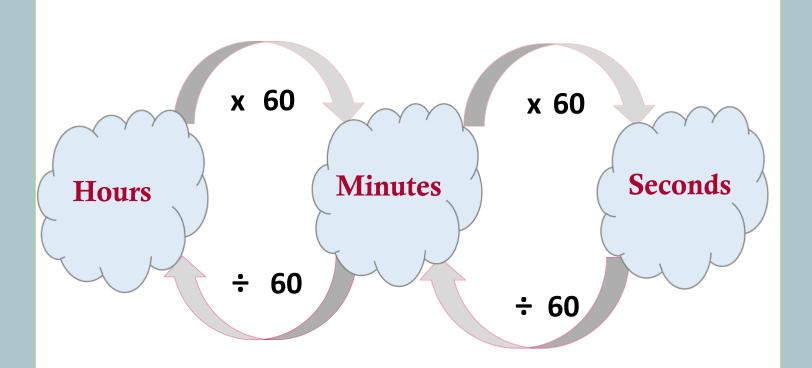


Convert from one unit of time to another

Conversions:



- 1 Hour = 60 Minutes
- 1 Minute = 1/60 Hour
- 1 Minute = 60 Seconds
- 1 Second = 1/60 Minutes





Convert hours into minutes

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

1 hour = 60 minutes

2 hours = 2 X 60 = 120 minutes

 $3 \text{ hours} = 3 \times 60 = 180 \text{ minutes}$

Example: 1 Convert 5 hours into minutes.

Solution:

1 hour = 60 minutes

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

= 300 minutes

5 hours = 300 minutes

Example: 2 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:





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

= 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 minutes = 2 X 60

= 120 seconds

Example: 1 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 minutes = 9 X 60 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

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

 $180 \text{ minutes} = 180 \div 60 = 3 \text{ hours}$

Example: 1 Convert 240 minutes into hours.

Solution:

1 minute = $1 \div 60$ hours

240 minutes = $240 \div 60$ hours

= 4 hours

240 minutes = 4 hours

Example: 2 Convert 420 minutes into hours.

Solution:

1 minute = $1 \div 60$ seconds

420 minutes = $420 \div 60$ 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

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

 $180 \text{ seconds} = 180 \div 60 = 3 \text{ minutes}$

Example: 1 Convert 300 seconds into minutes.

Solution:

1 second = $1 \div 60$ minutes

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

= 5 minutes

300 seconds = 5 minutes

Example: 2 Convert 600 seconds into minutes.

Solution:

1 second = $1 \div 60$ minutes

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

= 10 minutes

600 seconds = 10 minutes