

Convert from one unit of time to another









Conversions :

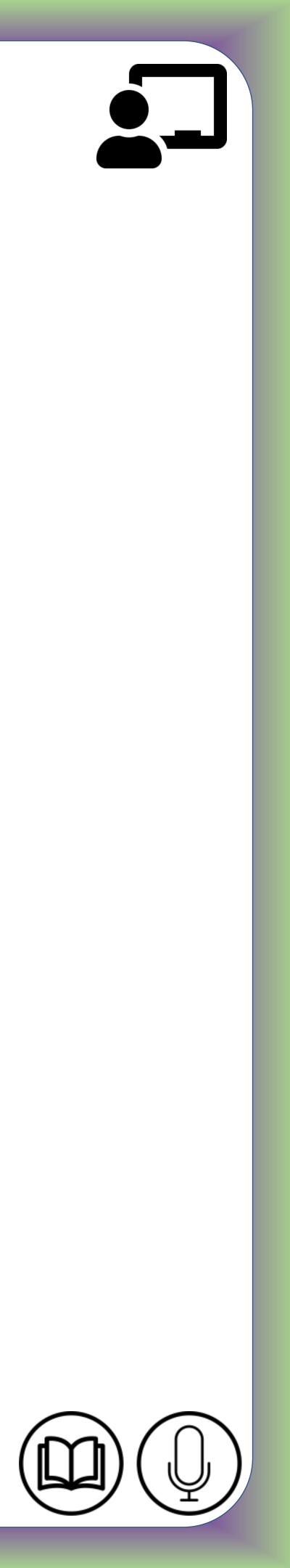
Convert from one unit of time to another

1 Hour = 60 Minutes1 Minute = 1/60 Hour1 Minute = 60 Seconds

1 Second = 1/60 Minutes





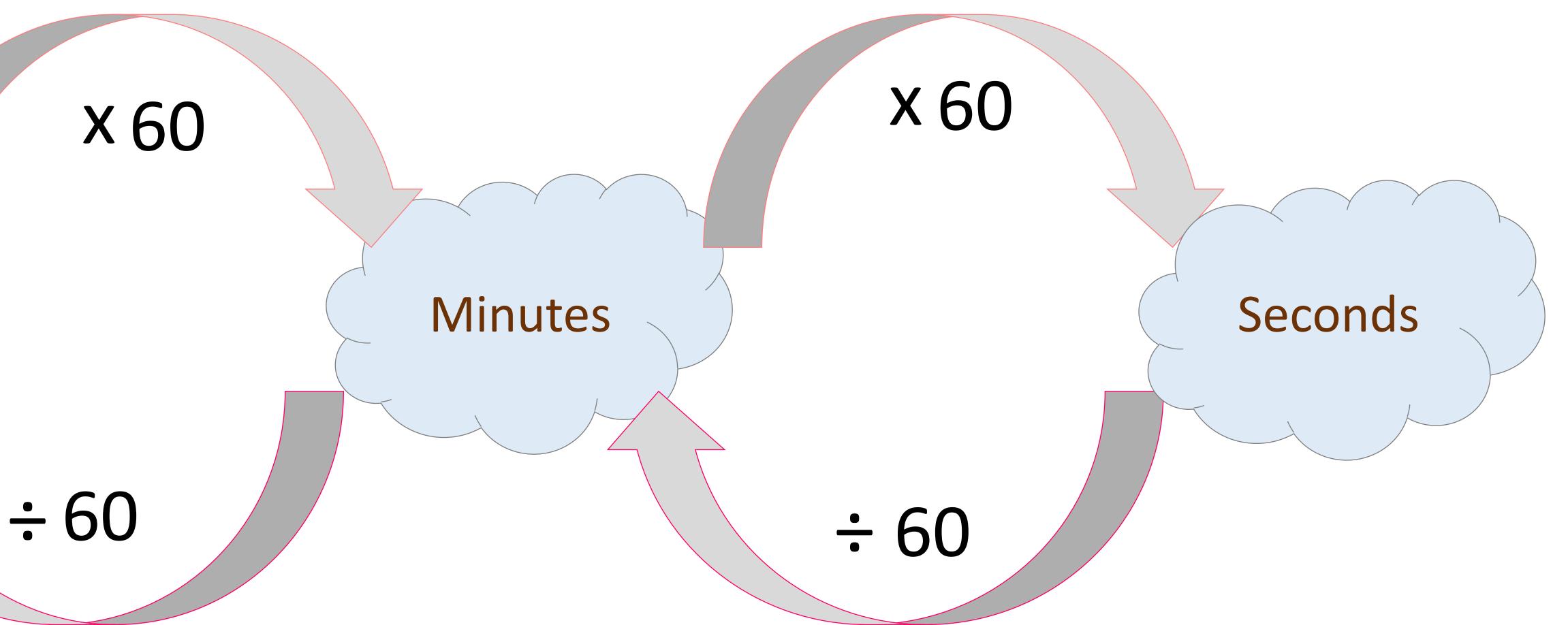


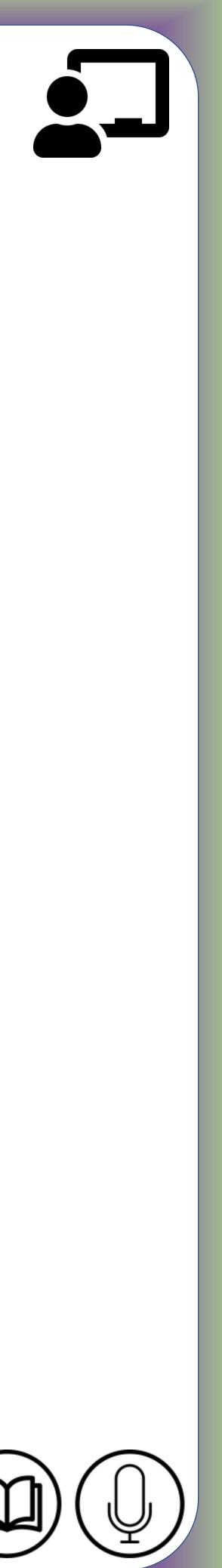




Hours

Convert from one unit of time to another







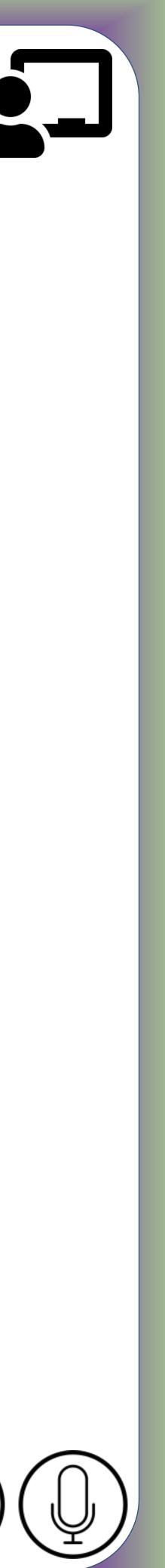




Convert hours into minutes

- 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 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

Example: 2

Solution:

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Convert 8 hours into minutes.

1 hour = 60 minutes

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

= 480 minutes

8 hours = 480 minutes







Example: 3 **Convert 6 hours and 25 minutes into minutes.**

Solution:

Step 1:

Convert the hours into minutes.

- 6 hours $= 6 \times 60 \text{ minutes}$
 - 360 minutes
- 6 hours = 360 minutes

Convert hours & minutes into minutes

Step 2:

6 hours and 25 minutes = 385 minutes

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Add the converted minutes with the given minutes

6 hours and 25 minutes = 360 + 25

= 385 minutes









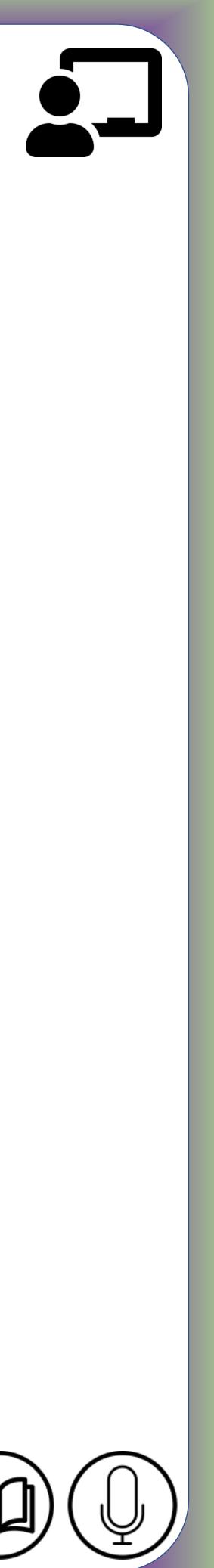
To convert minutes into seconds, we have to multiply with 60.

Convert minutes into seconds

- 1 minute = 60 seconds
- 2 minutes = 2 X 60
- = 120 seconds
- $3 \text{ minutes} = 3 \times 60$

= 180 seconds







Convert 3 minutes into seconds.

Solution:

1 minute = 60 seconds

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

3 minutes = 180 seconds

= 180 seconds

Example: 2

Solution:

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Convert 9 minutes into seconds.

1 minute = 60 seconds

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

= 540 seconds 9 minutes = 540 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

45 minutes and 35 seconds = 2735 seconds

Convert minutes & seconds into seconds

Step 2:

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Add the converted seconds with the given seconds

45 minutes and 35 seconds = 2700 + 35

= 2735 seconds







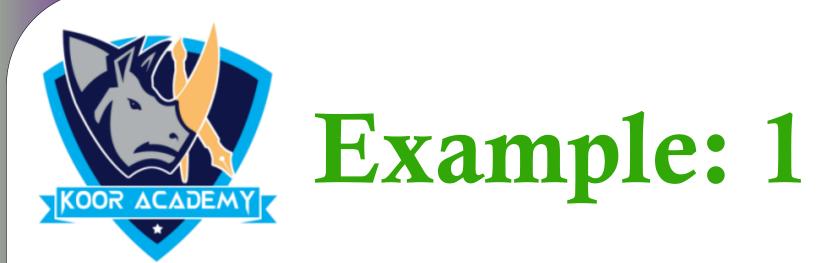


Convert minutes into hours

- To convert minutes to hours, we have to divide by 60.
 - $1 \text{ minute} = 1 \div 60 \text{ hours}$
 - $60 \text{ minutes} = 60 \div 60$
 - = 1 hour
 - $180 \text{ minutes} = 180 \div 60$
 - = 3 hours







Convert 240 minutes into hours.

Solution:

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

240 minutes = $240 \div 60$ hours

240 minutes = 4 hours

= 4 hours

Example: 2 Solution:

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Convert 420 minutes into hours.

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

420 minutes = $420 \div 60$ hours

= 7 hours

420 minutes = 7 hours



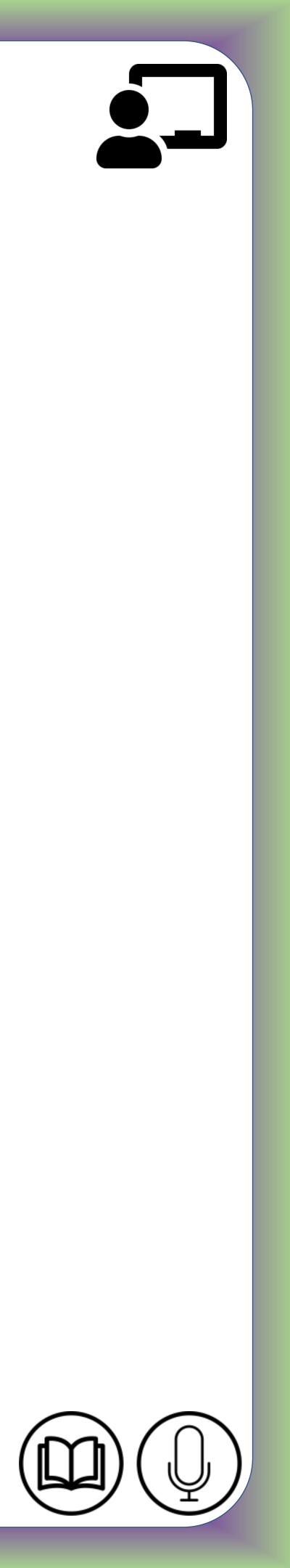




Convert seconds into minutes

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

- $1 \text{ seconds} = 1 \div 60 \text{ minutes}$
- $60 \text{ seconds} = 60 \div 60$
- = 1 minutes
- $180 \text{ seconds} = 180 \div 60$
 - = 3 minutes





Convert 300 seconds into minutes.

Solution:

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

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

300 seconds = 5 minutes

= 5 minutes

Example: 2

Solution:

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Convert 600 seconds into minutes.

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

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

= 10 minutes

600 seconds = 10 minutes

