



**THIRD SPACE  
LEARNING**

# Converting Units of Time Worksheet

Measurement and Data

**Grades 6 to 8**

## Skill Questions

Name: .....

Date: .....

- 1 Find the number of hours and minutes in 2.7 hours using the conversion factor.

Answer

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- 2 Convert 519 seconds to minutes and seconds using the conversion factor.

Answer

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- 3 Convert 1,387 minutes to hours and minutes using the conversion factor.

Answer

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- 4 Convert 419 minutes to seconds using the conversion factor.

Answer

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- 5 Convert 65 years to days using the conversion factor.

Answer

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## Converting Units of Time Worksheet | Grades 6 to 8

6 Convert 770 years to decades using the conversion factor.

Answer

7 Convert 4,012 seconds to minutes and seconds using the conversion factor.

Answer

8 Convert 104 hours to minutes using the conversion factor.

Answer

9 Convert 3,456 days to years and days using the conversion factor.

Answer

10 Convert 51 years to weeks using the conversion factor.

Answer

## Applied Questions

- 11** It takes a cake 56 minutes to bake. How many seconds does it take for the cake to bake?

Answer

- 12** A toad can live up to 12 years. How many weeks can a toad live for?

Answer

- 13** To drive from San Francisco, California to New York, New York, it takes 43 hours. How many days and hours would it take to drive the distance?

Answer

## Converting Units of Time Worksheet | Grades 6 to 8

- 14** Catherine just celebrated her 16th birthday. How many days old is Catherine?

Answer

- 15** Jamarcus works 32 hours a week as a lifeguard over the summer. How many seconds does Jamarcus work each week?

Answer

## Answers

Question number	Question	Answers	Standard
1	Find the number of hours and minutes in 2.7 hours using the conversion factor.	2 hours and 42 minutes $0.7 \times 60 = 42$ mins	6.RP.A.3d
2	Convert 519 seconds to minutes and seconds using the conversion factor.	8 minutes 39 seconds $519 \div 60 = 8.65$ mins $0.65 \times 60 = 39$ seconds	6.RP.A.3d
3	Convert 1,387 minutes to hours and minutes using the conversion factor.	23 hours and 7 minutes $1,387 \div 60 = 23.11\bar{6}$ hours $0.11\bar{6} \times 60 = 7$ mins	6.RP.A.3d
4	Convert 419 minutes to seconds using the conversion factor.	$419 \times 60 = 25,140$ seconds	6.RP.A.3d
5	Convert 65 years to days using the conversion factor.	$65 \times 365 = 23,725$ days	6.RP.A.3d
6	Convert 770 years to decades using the conversion factor.	$770 \div 10 = 77$ decades	6.RP.A.3d
7	Convert 4,012 seconds to minutes and seconds using the conversion factor.	66 minutes and 52 seconds $4,012 \div 60 = 66.8\bar{6}$ mins $0.8\bar{6} \times 60 = 52$ seconds	6.RP.A.3d

## Converting Units of Time Worksheet | Grades 6 to 8 | Answers




Question number	Question	Answers	Standard
8	Convert 104 hours to minutes using the conversion factor.	$104 \times 60 = 6,240$ minutes	6.RP.A.3d
9	Convert 3,456 days to years and days using the conversion factor.	9 years and 171 days  $3,456 \div 365 = 9.468...$ years $0.468... \times 365 = 171$ days	6.RP.A.3d
10	Convert 3,456 days to years and days using the conversion factor.	$51 \times 52 = 2,652$ weeks	6.RP.A.3d
11	It takes a cake 56 minutes to bake. How many seconds does it take for the cake to bake?	$56 \times 60 = 3,360$ seconds	6.RP.A.3d
12	A toad can live up to 12 years. How many weeks can a toad live for?	$12 \times 52 = 624$ weeks	6.RP.A.3d
13	To drive from San Francisco, California to New York, New York, it takes 43 hours. How many days and hours would it take to drive the distance?	1 day and 19 hours  $43 \div 24 = 1.791\bar{6}$ days $0.791\bar{6} \times 24 = 19$ hours	6.RP.A.3d
14	Catherine just celebrated her 16th birthday. How many days old is Catherine?	$16 \times 365 = 5,840$ days	6.RP.A.3d
15	Jamarcus works 32 hours a week as a lifeguard over the summer. How many seconds does Jamarcus work each week?	$32 \times 60 \times 60 =$ 115,200 seconds	6.RP.A.3d

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