



Converting Time Units

I can convert between units of time.



1. Complete the tables:

Convert Minutes to Seconds		Convert Hours to Minutes	
1 minute	seconds	1 hour	minutes
2 minutes	seconds	2 hours	minutes
3 minutes	seconds	3 hours	minutes
4 minutes	seconds	4 hours	minutes
5 minutes	seconds	5 hours	minutes
6 minutes	seconds	6 hours	minutes

2. Use the information above to help you complete these tables:

Minutes and Seconds	Seconds	Hours and Minutes	Minutes
1 minute 30 seconds	seconds	2 hours 20 minutes	minutes
1 minute 10 seconds	seconds	1 hour 10 minutes	minutes
2 minutes 30 seconds	seconds	3 hours 30 minutes	minutes
2 minutes 20 seconds	seconds	4 hours 10 minutes	minutes
3 minutes 20 seconds	seconds	3 hours 20 minutes	minutes
4 minutes 40 seconds	seconds	1 hour 40 minutes	minutes

3. Work out how long you spend at school each day, then convert it to minutes.

Challenge: Can you work it out in seconds?



Converting Time Units Answers

1. Complete the tables:

Convert Minutes to Seconds		Convert Hours to Minutes	
1 minute	<i>60 seconds</i>	1 hour	<i>60 minutes</i>
2 minutes	<i>120 seconds</i>	2 hours	<i>120 minutes</i>
3 minutes	<i>180 seconds</i>	3 hours	<i>180 minutes</i>
4 minutes	<i>240 seconds</i>	4 hours	<i>240 minutes</i>
5 minutes	<i>300 seconds</i>	5 hours	<i>300 minutes</i>
6 minutes	<i>360 seconds</i>	6 hours	<i>360 minutes</i>

2. Use the information above to help you complete these tables:

Minutes and Seconds	Seconds	Hours and Minutes	Minutes
1 minute 30 seconds	<i>90 seconds</i>	2 hours 20 minutes	<i>140 minutes</i>
1 minute 10 seconds	<i>70 seconds</i>	1 hour 10 minutes	<i>70 minutes</i>
2 minutes 30 seconds	<i>150 seconds</i>	3 hours 30 minutes	<i>210 minutes</i>
2 minutes 20 seconds	<i>140 seconds</i>	4 hours 10 minutes	<i>250 minutes</i>
3 minutes 20 seconds	<i>200 seconds</i>	3 hours 20 minutes	<i>200 minutes</i>
4 minutes 40 seconds	<i>280 seconds</i>	1 hour 40 minutes	<i>100 minutes</i>

3. Work out how long you spend at school each day, then convert it to minutes.

Multiple answers possible.

Challenge: Can you work it out in seconds?

Multiple answers possible.

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Key Facts:

1 minute = 60 seconds

1 hour = 60 minutes

1. Complete the tables:

Minutes and Seconds	seconds	Hours and Minutes	minutes
2 minutes 25 seconds	seconds	3 hours 25 minutes	minutes
3 minutes 10 seconds	seconds	2 hours 30 minutes	minutes
4 minutes 45 seconds	seconds	5 hours 15 minutes	minutes
3 minutes 55 seconds	seconds	4 hours 35 minutes	minutes
5 minutes 10 seconds	seconds	6 hours 20 minutes	minutes
6 minutes 20 seconds	seconds	3 hours 40 minutes	minutes

2. Order these times from the shortest to the longest time:

a. 211 seconds 3 minutes 8 seconds 3 minutes 18 seconds

b. 299 seconds 328 seconds 5 minutes 14 seconds

c. 329 minutes 4 hours 19 minutes 217 minutes

d. 5 hour 26 minutes 339 minutes 5 hours 14 minutes



Converting Time Units

3. Work out how many seconds you spend at school each day.



Converting Time Units Answers

1. Complete the tables:

Minutes and Seconds	seconds	Hours and Minutes	minutes
2 minutes 25 seconds	<i>145 seconds</i>	3 hours 25 minutes	<i>205 minutes</i>
3 minutes 10 seconds	<i>190 seconds</i>	2 hours 30 minutes	<i>150 minutes</i>
4 minutes 45 seconds	<i>285 seconds</i>	5 hours 15 minutes	<i>315 minutes</i>
3 minutes 55 seconds	<i>235 seconds</i>	4 hours 35 minutes	<i>275 minutes</i>
5 minutes 10 seconds	<i>310 seconds</i>	6 hours 20 minutes	<i>380 minutes</i>
6 minutes 20 seconds	<i>380 seconds</i>	3 hours 40 minutes	<i>220 minutes</i>

2. Order these times from the shortest to the longest time:

a. *3 minutes 10 seconds* *3 minutes 15 seconds* *200 seconds*

b. *3 minutes 20 seconds* *250 seconds* *290 seconds*

c. *210 minutes* *4 hours 25 minutes* *325 minutes*

d. *200 minutes* *3 hours 25 minutes* *3 hours 40 minutes*

3. Work out how many seconds you spend at school each day.

Multiple answers possible.

Converting Time Units

I can convert between units of time.

1. Complete the tables:

Minutes and Seconds	seconds	Hours and Minutes	minutes
2 minutes 23 seconds	seconds	3 hours 29 minutes	minutes
4 minutes 18 seconds	seconds	4 hours 36 minutes	minutes
5 minutes 49 seconds	seconds	6 hours 23 minutes	minutes
6 minutes 54 seconds	seconds	7 hours 39 minutes	minutes
5 minutes 13 seconds	seconds	5 hours 21 minutes	minutes
7 minutes 27 seconds	seconds	4 hours 42 minutes	minutes

2. Compare these time units, using $<$, $>$ or $=$.

2 minutes 32 seconds		150 seconds
185 minutes		3 hours 11 minutes

4 hours 27 minutes		315 minutes
290 seconds		3 minutes 49 seconds

3. Order these times from the shortest to the longest time:

a. 211 seconds 3 minutes 8 seconds 3 minutes 18 seconds

b. 299 seconds 328 seconds 5 minutes 14 seconds

c. 329 minutes 4 hours 19 minutes 217 minutes

d. 5 hour 26 minutes 339 minutes 5 hours 14 minutes



Converting Time Units

4. How many seconds do you spend at school each week?



Converting Time Units Answers

1. Complete the tables:

Minutes and Seconds	seconds	Hours and Minutes	minutes
2 minutes 23 seconds	<i>143 seconds</i>	3 hours 29 minutes	<i>209 minutes</i>
4 minutes 18 seconds	<i>258 seconds</i>	4 hours 36 minutes	<i>276 minutes</i>
5 minutes 49 seconds	<i>349 seconds</i>	6 hours 23 minutes	<i>383 minutes</i>
6 minutes 54 seconds	<i>414 seconds</i>	7 hours 39 minutes	<i>459 minutes</i>
5 minutes 13 seconds	<i>313 seconds</i>	5 hours 21 minutes	<i>321 minutes</i>
7 minutes 27 seconds	<i>447 seconds</i>	4 hours 42 minutes	<i>282 minutes</i>

2. Compare these time units, using $<$, $>$ or $=$.

2 minutes 32 seconds	$>$	150 seconds
185 minutes	$<$	3 hours 11 minutes

4 hours 27 minutes	$<$	315 minutes
290 seconds	$>$	3 minutes 49 seconds

3. Order these times from the shortest to the longest time:

- a. *3 minutes 8 seconds* *3 minutes 18 seconds* *211 seconds*
- b. *299 seconds* *5 minutes 14 seconds* *328 seconds*
- c. *217 minutes* *4 hours 19 minutes* *329 minutes*
- d. *5 hours 14 minutes* *5 hours 26 minutes* *339 minutes*

4. How many seconds do you spend at school each week?

Multiple answers possible.