

# Time Conversion

**Example: Convert 9 hours 26 minutes 40 seconds to seconds.**

1 hour = 60 minutes  
 =  $60 \times 60$  seconds  
 = 3,600 seconds  
 1 minute = 60 seconds

9 hours =  $9 \times 3600$  seconds = 32,400 seconds  
 26 minutes =  $26 \times 60$  seconds = 1,560 seconds  
 40 seconds

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34,000 seconds

9 hours 26 minutes 40 seconds = 34,000 seconds

Convert the hours, minutes, and seconds to seconds.

1) 8 hours 20 minutes = \_\_\_\_\_ seconds

2) 2 hours 46 minutes = \_\_\_\_\_ seconds

3) 13 hours 18 minutes = \_\_\_\_\_ seconds

4) 9 hours 8 minutes = \_\_\_\_\_ seconds

5) 20 hours 58 minutes = \_\_\_\_\_ seconds

6) 10 hours 32 minutes = \_\_\_\_\_ seconds

7) 16 hours 29 minutes = \_\_\_\_\_ seconds

8) 3 hours 15 minutes 25 seconds = \_\_\_\_\_ seconds

9) 21 hours 30 minutes 30 seconds = \_\_\_\_\_ seconds

10) 14 hours 6 minutes 57 seconds = \_\_\_\_\_ seconds

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Name : \_\_\_\_\_

## Time Conversion

HMS1

**Example: Convert 9 hours 26 minutes 40 seconds to seconds.**

1 hour = 60 minutes  
 =  $60 \times 60$  seconds  
 = 3,600 seconds  
 1 minute = 60 seconds

$9 \text{ hours} = 9 \times 3600 \text{ seconds} = 32,400 \text{ seconds}$	$26 \text{ minutes} = 26 \times 60 \text{ seconds} = 1,560 \text{ seconds}$	
		<u>40 seconds</u>
		34,000 seconds

9 hours 26 minutes 40 seconds = 34,000 seconds

Convert the hours, minutes, and seconds to seconds.

1) 8 hours 20 minutes \_\_\_\_\_ seconds

2) 2 hours 46 minutes \_\_\_\_\_ seconds

3) 13 hours 18 minutes \_\_\_\_\_ seconds

4) 9 hours 8 minutes \_\_\_\_\_ seconds

5) 20 hours 58 minutes \_\_\_\_\_ seconds

6) 10 hours 32 minutes \_\_\_\_\_ seconds

7) 16 hours 29 minutes \_\_\_\_\_ seconds

8) 3 hours 15 minutes 25 seconds = 11,725 seconds

9) 21 hours 30 minutes 30 seconds = 77,430 seconds

10) 14 hours 6 minutes 57 seconds = 50,817 seconds

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