

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

## Time Conversion

HMS2

**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  
34,000 seconds

9 hours 26 minutes 40 seconds = 34,000 seconds

Convert the hours, minutes, and seconds to seconds.

1) 11 hours 33 minutes = \_\_\_\_\_ seconds

2) 9 hours 27 minutes = \_\_\_\_\_ seconds

3) 22 hours 40 minutes = \_\_\_\_\_ seconds

4) 5 hours 56 minutes = \_\_\_\_\_ seconds

5) 18 hours 35 minutes = \_\_\_\_\_ seconds

6) 23 hours 10 minutes = \_\_\_\_\_ seconds

7) 6 hours 43 minutes = \_\_\_\_\_ seconds

8) 14 hours 52 minutes 45 seconds = \_\_\_\_\_ seconds

9) 3 hours 2 minutes 16 seconds = \_\_\_\_\_ seconds

10) 17 hours 59 minutes 31 seconds = \_\_\_\_\_ seconds

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HMS2

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

1 hour = 60 minutes  
 = 60 × 60 seconds  
 = 3,600 seconds  
 1 minute = 60 seconds

9 hours = 9 × 3600 seconds = 32,400 seconds  
 26 minutes = 26 × 60 seconds = 1,560 seconds  
 40 seconds

---

34,000 seconds

9 hours 26 minutes 40 seconds = 34,000 seconds

Convert the hours, minutes, and seconds to seconds.

1) 11 hours 33 min \_\_\_\_\_ seconds

2) 9 hours 27 minu \_\_\_\_\_ seconds

3) 22 hours 40 min \_\_\_\_\_ seconds

4) 5 hours 56 minu \_\_\_\_\_ seconds

5) 18 hours 35 min \_\_\_\_\_ seconds

6) 23 hours 10 min \_\_\_\_\_ seconds

7) 6 hours 43 minu \_\_\_\_\_ seconds

8) 14 hours 52 minutes 45 seconds = 53,565 seconds

9) 3 hours 2 minutes 16 seconds = 10,936 seconds

10) 17 hours 59 minutes 31 seconds = 64,771 seconds

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