

Time Conversion

Example: Convert 34,000 seconds to hours, minutes, and seconds.

60 seconds = 1 minute

$$34,000 \text{ seconds} = \frac{34,000 \text{ seconds}}{60 \text{ seconds}}$$

$$= 566 \text{ minutes } 40 \text{ seconds}$$

$$\begin{array}{r} \text{566 - minutes} \\ 60 \overline{) 34000} \\ \underline{300} \\ 400 \\ \underline{360} \\ 400 \\ \underline{360} \\ 40 \text{ - seconds} \end{array}$$

60 minutes = 1 hour

$$566 \text{ minutes} = \frac{566 \text{ minutes}}{60 \text{ minutes}}$$

$$= 9 \text{ hours } 26 \text{ minutes}$$

$$\begin{array}{r} \text{9 - hours} \\ 60 \overline{) 566} \\ \underline{540} \\ 26 \text{ - minutes} \end{array}$$

34,000 seconds = 9 hour(s) 26 minute(s) 40 second(s)

Convert the seconds to hours, minutes, and seconds.

1) 27,009 seconds = _____ second(s)

2) 37,310 seconds = _____ second(s)

3) 8,522 seconds = _____ second(s)

4) 78,663 seconds = _____ second(s)

5) 54,256 seconds = _____ second(s)

6) 69,404 seconds = _____ second(s)

7) 10,875 seconds = _____ second(s)

8) 84,708 seconds = _____ hour(s) _____ minute(s) _____ second(s)

9) 46,107 seconds = _____ hour(s) _____ minute(s) _____ second(s)

10) 60,991 seconds = _____ hour(s) _____ minute(s) _____ second(s)

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HMS3

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$$= 566 \text{ minutes } 40 \text{ seconds}$$

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60 minutes = 1 hour

$$566 \text{ minutes} = \frac{566 \text{ minutes}}{60 \text{ minutes}}$$

$$= 9 \text{ hours } 26 \text{ minutes}$$

$$\begin{array}{r} \text{9 - hours} \\ 60 \overline{) 566} \\ \underline{540} \\ 26 \text{ - minutes} \end{array}$$

34,000 seconds = 9 hour(s) 26 minute(s) 40 second(s)

Convert the seconds to hours, minutes, and seconds.

1) 27,009 seconds = 9 second(s)

2) 37,310 seconds = 50 second(s)

3) 8,522 seconds = 2 second(s)

4) 78,663 seconds = 3 second(s)

5) 54,256 seconds = 16 second(s)

6) 69,404 seconds = 44 second(s)

7) 10,875 seconds = 15 second(s)

8) 84,708 seconds = 23 hour(s) 31 minute(s) 48 second(s)

9) 46,107 seconds = 12 hour(s) 48 minute(s) 27 second(s)

10) 60,991 seconds = 16 hour(s) 56 minute(s) 31 second(s)

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