

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) 14,083 seconds = _____ second(s)

2) 7,934 seconds = _____ second(s)

3) 43,576 seconds = _____ second(s)

4) 33,482 seconds = _____ second(s)

5) 6,835 seconds = _____ second(s)

6) 81,719 seconds = _____ second(s)

7) 65,140 seconds = _____ second(s)

8) 29,641 seconds = _____ hour(s) _____ minute(s) _____ second(s)

9) 52,357 seconds = _____ hour(s) _____ minute(s) _____ second(s)

10) 73,208 seconds = _____ hour(s) _____ minute(s) _____ second(s)

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Name : _____

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HMS1

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

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

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

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

$$34,000 \text{ seconds} = \underline{9} \text{ hour(s)} \underline{26} \text{ minute(s)} \underline{40} \text{ second(s)}$$

Convert the seconds to hours, minutes, and seconds.

1) 14,083 seconds = _____ **43** second(s)

2) 7,934 seconds = _____ **14** second(s)

3) 43,576 seconds = _____ **16** second(s)

4) 33,482 seconds = _____ **2** second(s)

5) 6,835 seconds = _____ **55** second(s)

6) 81,719 seconds = _____ **59** second(s)

7) 65,140 seconds = _____ **40** second(s)

8) 29,641 seconds = _____ **8** hour(s) _____ **14** minute(s) _____ **1** second(s)

9) 52,357 seconds = _____ **14** hour(s) _____ **32** minute(s) _____ **37** second(s)

10) 73,208 seconds = _____ **20** hour(s) _____ **20** minute(s) _____ **8** second(s)

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