



Answer to 31 ▾

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How many milliseconds are in 97 seconds? Reminder: 1 second=1000 or 10^3 ms

$97\text{sec} \cdot 1000\text{milliseconds}/1\text{sec} = 9.7\text{milliseconds} \cdot 10^4$.

Question 32: How many centimeters are in 12ft? Conversion: 1ft= 30.48cm

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Question 32 ▾

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Answer to question 32:

How many centimeters are in 12feet?

Given 12feet

Need ?cm

Conversion 1inch/2.54cm and 1foot/12inch

$12\text{ft} \cdot (12\text{inch}/1\text{foot}) \cdot (2.54\text{cm}/1\text{inch}) = 365.76\text{cm}$

Final Answer rounded off to two significant figures:

370cm

Question 33

If the maximum daily dose of Tylenol is 4g and the bottle in your medicine cabinet contains 300mg tablets, how many tablets can you ingest in one day?



Question #33 ▾

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Answer to question #33: You can ingest up to 13 tablets in one day.

1g = 1000mg

4g = 4000mg

1tab = 300mg

$4000\text{mg}/300\text{mg} = 13.33$

rounded = 13 tablets

Question #34: What is mass of 160 lb person in kilograms?

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