

WALT: Solve Mr C's Challenge - Answers 8<sup>th</sup> May 2020

Many thanks to the BB2 T.V. show "Only Connect" which gave me the idea for this one. 😊

1) What comes next in this sequence?

These are all times in minutes and seconds, which convert in seconds to

16m 40s      1m 40s      10s        1s  

1000 s      100 s      10s      1s

Why?      Convince me.

Times are divided by 10 each step from left to right.

2) What would be the number to come before 16m 40s...?

This would be 10,000 seconds which is...

166 minutes and 40 seconds which is...

Answer 2 hours 46 minutes and 40 seconds...

3) ...and what would come before that (the answer to number 2)? Give this answer in days, hours, minutes and seconds.

This would be 100,000 seconds which is

1666 minutes and 40 seconds which is

27 hours and 46 minutes and 40 seconds which is

Answer 1 day and 3 hours and 46 minutes and 40 seconds.

*Check*

*1 day is  $24 \times 60 \times 60$  seconds = 86400 seconds*

*3 hours is  $3 \times 60 \times 60$  seconds = 10800 seconds*

*46 minutes is  $46 \times 60$  seconds = 2760 seconds*

*And then add 40 seconds = 40 seconds*

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*Add them up gives 100,000 seconds*