



13. Which of the following gives the exact number of seconds in the last six complete weeks of 2007?

- A 9! B 10! C 11! D 12! E 13!

{Note that $n! = 1 \times 2 \times 3 \times \dots \times n$.}

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13. **B** The exact number of seconds in six complete weeks is $6 \times 7 \times 24 \times 60 \times 60 = 6 \times 7 \times (3 \times 8) \times (2 \times 5 \times 6) \times (3 \times 4 \times 5) = 1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 \times 8 \times 9 \times 10 = 10!$.