

Worksheet: Powers of 10 and Standard Form

This worksheet has questions about the Powers of 10 and the standard form. The standard form is shorthand used in describing very large and very small numbers. A number is said to be in standard form if it fits in the pattern: $a \times 10^n$, where $1 \leq a < 10$ and n is an integer.

Model solutions to
this sheet



Powers of 10 and
Standard Form
study guide



- Write the following as a single power of 10.
 - $10 \times 10 \times 10 \times 10 \times 10$
 - 1000×10000
 - $100 \times 10000 \times 1000$
 - $100 \times 10000 \times 1000 \times 10$
- Write the following numbers in standard form.
 - 1000×1000
 - 680000
 - 3569
 - 6400000
 - 0.006
 - 11.3564
 - 0.000000654
 - 657.35874
- Write the following numbers in full, not in standard form.
 - 4.565×10^{13}
 - 7.651×10^5
 - 10^6
 - 6.954×10^7
 - 4.69×10^{-10}
 - 1.0654×10^{-3}
- The speed of light is $299792458 \text{ ms}^{-1}$, write it in standard form.



This worksheet is one of a series on
mathematics produced by the
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