

ACTION

Revision Material



[http://corbettmaths.com/contents/Video 300-303](http://corbettmaths.com/contents/Video%20300-303)

RESPONSE

Write in standard form

Write as ordinary numbers

Fluency



- | | | | |
|-------------|-----------------|-------------------------|-----------------------------|
| 1) 500 | 4) 0.0006 | 7) 7×10^3 | 10) 7×10^{-3} |
| 2) 2590 | 5) 0.0000347 | 8) 9.3×10^5 | 11) 3.03×10^{-5} |
| 3) 98040000 | 6) 0.0000002303 | 9) 7.0643×10^8 | 12) 6.4301×10^{-8} |

Reasoning



Work out the following, writing your answers in standard form.

- 1) $(3 \times 10^6) \times (9 \times 10^7)$ 2) $(7.2 \times 10^{-5}) \div 0.0000036$

- 3) The distance from the Earth to the Sun is roughly 150million km, light travels at 3.00×10^8 m/s. Calculate the time taken for sunlight to reach Earth.

Problem Solving



You would travel roughly 40,000km to go around the Earth once.
Water covers approximately 1.4×10^8 square miles of the Earth.

What percentage of the Earth's surface is not covered by water?

$$\text{Circumference} = \pi D$$

$$\text{Surface area of sphere} = 4\pi r^2$$

$$\text{Volume of a sphere} = \frac{4}{3} \pi r^3$$



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