

Standard Form Using a Calculator

Using a calculator, work out the following, giving your answer in standard form.

- (a) $(1.25 \times 10^5) + (3.4 \times 10^5)$
- (b) $(2.7 \times 10^{-4}) - (1.28 \times 10^{-5})$
- (c) $(3.87 \times 10^{-2}) \times (5.3 \times 10^4)$
- (d) $\frac{4.152 \times 10^6}{1.73 \times 10^{-2}}$
- (e) $(7.3 \times 10^{-2})^2$
- (f) $\sqrt{(3.6 \times 10^{11})}$

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(a) Given that $F = ma$, find F when $m = 1.2 \times 10^{-12} \text{ g}$ and $a = 4.5 \times 10^9 \text{ m/s}^2$.

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(b) The volume of four different oceans in km^3 are 1.88×10^7 , 3.1×10^8 , 2.64×10^8 and 7.18×10^7 . Find the mean volume of the four oceans, giving your answer in standard form.

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