1.1.07a | Test yourself | Standard form - operations

Task 1. (10p) Let $a = 3 \times 10^{21}$ and $b = 2.5 \times 10^{20}$.

Perform the following operations and write the results in standard form.

(a) $a + b =$

(b) $a - b =$

(c) $a \times b =$

(d) $\frac{a}{b} =$

Task 2. (Challenge) Simplify the following expression to standard form:

$3 \times 10^{43} - 4 \times 100^{21} - 20 \times 2^{40} \times 25^{20} + 7 \times 4^{20} \times 5^{40}$

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