

1. (a) Work out the value of  $(8 \times 10^4) \times (3 \times 10^3)$

Give your answer in standard form.

(b) Work out the value of  $5 \times 10^3 \times 5 \times 10^{14}$

Give your answer in standard form.

(c) Work out the value of  $(5 \times 10^5) \times (7 \times 10^4)$

Give your answer in standard form.

(d) Work out the value of  $(4 \times 10^3) \times (5 \times 10^{-7})$

Give your answer in standard form.

(e) Calculate  $7 \times 10^8 \times 9 \times 10^{-3}$

Give your answer in standard form.

(f) Work out the value of  $(8 \times 10^4) \times (4 \times 10^{-11})$

Give your answer in standard form.

Answers: a)  $2.4 \times 10^8$     b)  $2.5 \times 10^{18}$     c)  $3.5 \times 10^{10}$     d)  $2.0 \times 10^{-3}$     e)  $6.3 \times 10^6$   
f)  $3.2 \times 10^{-6}$