

Scientific Notation

① Scientific Notation \rightarrow standard Notation:

a) $3.0 \times 10^8 = 3,000,000,000 = \underline{300,000,000}$

b) $2.97 \times 10^7 = \underline{\hspace{2cm}}$

c) $8.9 \times 10^{-3} = \underline{\hspace{2cm}}$

d) $1.234 \times 10^4 = \underline{\hspace{2cm}}$

e) $7.677 \times 10^{-6} = \underline{\hspace{2cm}}$

② Standard Notation \rightarrow Scientific Notation

a) $6,302 = 6,302 = \underline{6.302 \times 10^3}$

b) $7,007,892 = \underline{\hspace{2cm}}$

c) $0.0049 = \underline{\hspace{2cm}}$

d) $0.502 = \underline{\hspace{2cm}}$

e) $120 = \underline{\hspace{2cm}}$

③ Solve

a) $(3.0 \times 10^8) \times 2 = \underline{\hspace{2cm}}$

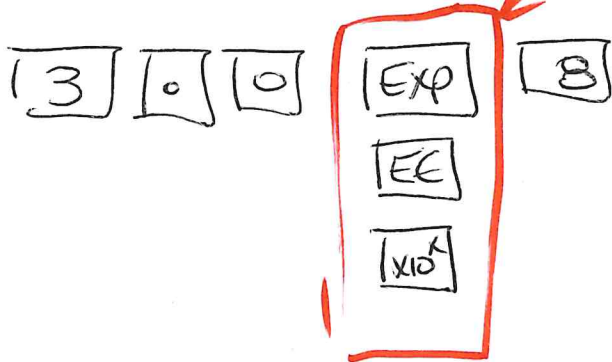
b) $6.372 \times 10^{-3} + 5.22 \times 10^{-2} = \underline{\hspace{2cm}}$

c) $\frac{3.0 \times 10^8}{1.52} = \underline{\hspace{2cm}}$

Putting scientific notation in
your calculator:

$$3.0 \times 10^8$$

buttons to push:



You will have one of these
buttons. By pushing [EXP] or [EE] or [x10^x]
You are saying "x10" and the
calculator is waiting for the exponent
(in this case '8').