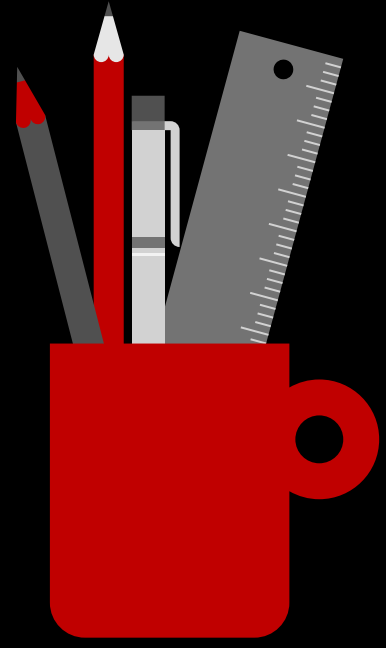


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Ex. 3.1

1) Express each of the following numbers in Scientific Notation.

$$6.42 \times 10^{24}$$

$$5700.00$$

i) $5,700.$
 $= 5.7 \times 10^3$



ii)

4,98,00,000.

$$= 4.98 \times 10^7$$

==



iii)

9,60,00,000.

$$= 9.6 \times 10^7$$

==



$$\text{iv) } 4,16.9$$

$$= 4.169 \times 10^2$$





$$v) \quad 8,3000.$$

$$= 8.3 \times 10^4$$





$$\text{vi) } 0.00643$$

$$= 6.43 \times 10^{-3}$$





$$\begin{aligned} \text{vii)} \quad & 0.0074 \\ & = 7.4 \times 10^{-3} \end{aligned}$$





viii) $60,000,000.$

$$= 6 \times 10^7$$





$$ix) 0.000000000395$$

$$= 3.95 \times 10^{-9}$$



X)

$$\underline{275,000.}$$

$$0.0025$$

5

$$\underline{2.75 \times 10^5}$$
$$2.5 \times 10^{-3}$$





②

Express in ordinary Notation

عام تشریح

① 6×10^{-4}

$= 0.0006$



$$\text{ii) } 5.06 \times 10^{10}$$

$$= 50600000000$$



②

$$\text{iii) } 9.018 \times 10^{-6}$$

$$= .00009,018$$

$$= \underline{\underline{0.000009018}}$$



$$\text{iv) } 7.865 \times 10^8$$

$$= 7,865,000,000$$

$$= \underline{\underline{7865000000}}$$

