

Standard Form



i. Convert the following numbers into standard form, to a suitable accuracy

- 3,000
- 12,000
- 12,600
- 0.45
- 72 million
- 361,000
- 0.0101
- 3.8 million
- 400,000
- 497,600

ii. Convert the following standard forms into numbers

- 3.6×10^3
- 7.2×10^4
- 5.1×10^2
- 3.8×10^{-2}
- 1.8×10^{-3}
- 4.5×10^8
- 9.9×10^{-1}
- 8.7×10^6
- 4.6×10^3
- 9.8×10^{-4}

iii. Calculate the following expressions involving standard forms

- $\frac{7.2 \times 10^8}{2 \times 10^4}$
- $(2.4 \times 10^2) \times (2 \times 10^4)$
- $\frac{9.9 \times 10^6}{1.1 \times 10^5}$
- $(4.3 \times 10^3) \times (3 \times 10^5)$
- $(5.4 \times 10^2) + (6.5 \times 10^2)$