

NO calculator

1. Write these numbers in order of size.

Start with the smallest number.

$$83 \times 10^{-2} \quad 830 \quad 830 \times 10^{-6} \quad 8300 \times 10^{-3}$$

2. Write these numbers in order of size.

Start with the smallest number.

$$0.307 \times 10^1 \quad 30.7 \times 10^2 \quad 3.07 \times 10^{-2} \quad 307$$

3. Write these numbers in order of size.

Start with the smallest number.

$$6.15 \times 10^3 \quad 61.5 \times 10^{-3} \quad 615 \times 10^2 \quad 0.00615$$

Answers:

1) 830×10^{-6} , 83×10^{-2} , 8300×10^{-3} , 830 or $\begin{pmatrix} 8.3 \times 10^{-4} & 8.3 \times 10^{-1} & 8.3 \times 10^0 & 8.3 \times 10^2 \\ 0.00083 & 0.83 & 8.3 & 830 \end{pmatrix}$

2) 3.07×10^{-2} , 0.307×10^1 , 307 , 30.7×10^2 or $\begin{pmatrix} 3.07 \times 10^{-2} & 3.07 \times 10^0 & 3.07 \times 10^2 & 3.07 \times 10^3 \\ 0.0307 & 3.07 & 307 & 3070 \end{pmatrix}$

3) 0.00615 , 61.5×10^{-3} , 6.15×10^3 , 615×10^2 or $\begin{pmatrix} 6.15 \times 10^{-3} & 6.15 \times 10^{-2} & 6.15 \times 10^3 & 6.15 \times 10^4 \\ 0.00615 & 0.0615 & 6150 & 61500 \end{pmatrix}$