

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:

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

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

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