



Wednesday, 8 November 2023
Standard Form

$$A \times 10^n$$

$$1 \leq A < 10$$

Eg

$$52 = 5.2 \times 10^1 \quad \text{one jump}$$

If it is a number greater than 1,
the power will be positive
(jumping backwards)

$$0.05 = 5 \times 10^{-2} \quad \text{two jumps}$$

$$5 \times \frac{1}{100}$$

If it is a number between 0 and 1
the power will be negative
(jumping forwards)

$$6.25 = 6.25 \times 10^2$$

$$0.123 = 1.23 \times 10^{-1}$$

$$3147 = 3.147 \times 10^3$$

$$0.0076 = 7.6 \times 10^{-3}$$