

# Standard Form

**Standard form** is a way of writing very large or very small numbers by using powers of ten. It is also known as scientific notation.

Numbers in standard form are written in this format:

$$\boxed{\begin{array}{l} a \text{ is a number} \\ 1 \leq a < 10 \end{array}} \rightarrow a \times 10^n \leftarrow \boxed{n \text{ is an integer}}$$



**Example**

The Sun is approximately 149 600 000 kilometres from Earth.  
In standard form, this is written:  $1.496 \times 10^8$