

Scientific Notation or Standard Form

In Maths we introduce scientific notation at level 4.

It is part of the *General and Credit Standard* grade course and taught at the beginning of S2 (*Credit and Level 4*) and the beginning of S3 (*General*)

We teach that a number in scientific notation consists of a number between one and ten multiplied by a power of 10.

For example

$$24,500,000 = 2.45 \times 10^7$$

$$0.000988 = 9.88 \times 10^{-4}$$

- Pupils should be aware of terms like:
 - 'Kilo' meaning one thousand
 - 'Milli' meaning one thousandth.
- Pupils should be able to use powers and square roots.

Distance to the S



$$\begin{aligned} 149,600,000 \text{ km} \\ = \\ 1.496 \times 10^8 \end{aligned}$$

