

# Scientific Notation

## Investigating...


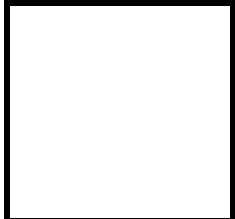
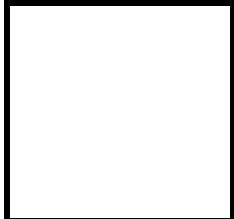
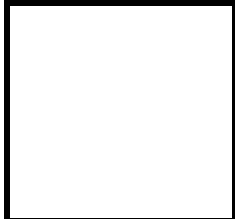
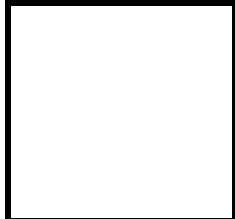
Name \_\_\_\_\_

Date \_\_\_\_\_


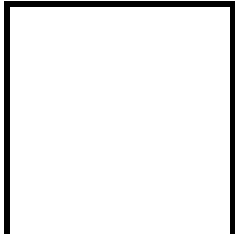
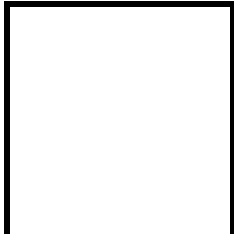
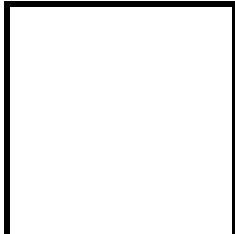
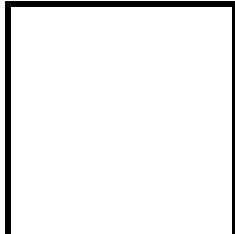
Use the **WolframAlpha** search engine to investigate...

<http://www.wolframalpha.com>


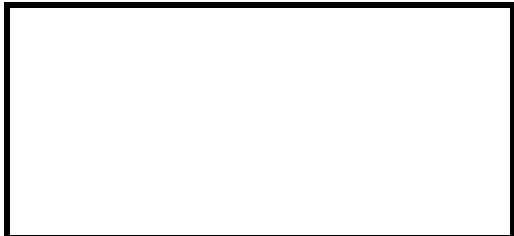
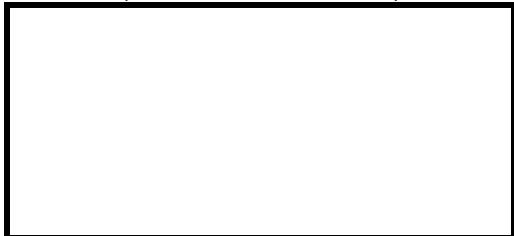
Use **WolframAlpha** to look up *a grain of rice*.

A grain of rice.	Mass	→	Convert to grams	→	Convert to kilograms	→	Convert to Scientific Notation
							




Use **WolframAlpha** to find the *diameter of the earth*.

The earth.	Diameter of the Earth in km	→	Convert to metres	→	Convert to millimetres	→	Convert to Scientific Notation
							

Use **WolframAlpha** to look up the *speed of light*.

The speed of light.	In kilometres per second	→	In metres per second (in Scientific Notation)
			

Use **WolframAlpha** to look up *Proxima Centauri* (the star closest to earth).

Proxima Centauri	Find the distance to Proxima Centauri in kilometres (in Scientific Notation)	→	Write as a basic numeral
			

**Images:**

- A grain of rice: Pre-steamed long rice Copyright © 2007 David Monniaux [http://en.wikipedia.org/wiki/File:Rice\\_p1160004.jpg](http://en.wikipedia.org/wiki/File:Rice_p1160004.jpg)
- The Earth: The Blue Marble, NASA [http://en.wikipedia.org/wiki/File:The\\_Earth\\_seen\\_from\\_Apollo\\_17.jpg](http://en.wikipedia.org/wiki/File:The_Earth_seen_from_Apollo_17.jpg)
- Light bulb: KMJ [http://en.wikipedia.org/wiki/File:Gluehlampe\\_01\\_KMJ.png](http://en.wikipedia.org/wiki/File:Gluehlampe_01_KMJ.png)
- Star: ESA/Hubble <http://en.wikipedia.org/wiki/File:Starsinthesky.jpg>