

SYMBOL	EXAMPLE	MEANING IN FULL
.	3.14159	three <i>point</i> one four one five nine
+	$u+v$	u <i>plus</i> v
-	$v-u$	v <i>minus</i> u
=	1 tonne = 1,000 kg	one tonne <i>is equal to</i> one thousand <i>equals</i> kilograms
\neq	$x \neq y$	x <i>does not equal</i> y <i>equals not</i>
\times	mass \times velocity	mass <i>multiplied by</i> velocity <i>times</i>
no sign between two quantities	momentum = mv	momentum <i>equals</i> m <i>multiplied by</i> v <i>times</i>
\div	$8 \div 2$	eight <i>divided by</i> two
one quantity over another	speed = $\frac{\text{distance}}{\text{time taken}}$	speed <i>equals the ratio of</i> distance <i>to</i> time taken speed <i>equals</i> distance <i>divided by</i> time taken <i>over</i>
/	20 km/h	twenty kilometres <i>per</i> hour
\equiv	1 mm vertical \equiv 5 N	one millimetre vertical <i>is equivalent to</i> five newtons
\approx	60 km/h \approx 17 m/s	sixty kilometres per hour <i>is</i> <i>approximately equal to</i> seventeen metres per second
\propto	stress \propto strain	stress <i>is proportional to</i> strain
:	2:1	two <i>to</i> one
%	0.4%	zero point four <i>per cent</i>
$\sqrt{\quad}$	$\sqrt{5}$	<i>the square root of</i> five <i>root</i> five
2^3	2^2 3^3	two <i>squared</i> three <i>cubed</i>
4^{-5}	10^4 10^{-5}	ten <i>to the power</i> four ten <i>to the power</i> <i>minus</i> five
>	> 18 mm	<i>greater than</i> eighteen millimetres
<	< 20 mm	<i>less than</i> twenty millimetres
\geq \leq	≥ 40 mm ≤ 100 mm	<i>greater than or</i> <i>equal to</i> forty millimetres <i>less than or equal</i> <i>to</i> one hundred millimetres
\pm	± 2 kg	<i>plus or minus</i> two kilograms
$^\circ$	90° 349°C	ninety <i>degrees</i> three hundred and forty-nine <i>degrees</i> Centigrade
'	$6^\circ 32'$	six degrees thirty-two <i>minutes</i>

PLUS: \ll $y \ll 5$ y is much less than five
 \gg $y \gg 5$ y is much greater than five
 \rightarrow $x \rightarrow \infty$ x tends to infinity
therefore
 $\sqrt[3]{x}$ cube root of x
 $\sqrt[n]{x}$ n th root of x
 $\frac{V}{1} = R$ V over 1 equals R