

# Decode the Joke

# Standard Form

Convert each value to or from standard form.

<b>A</b>	5000	$5 \times 10^3$
<b>B</b>	0.05	$5 \times 10^{-2}$
<b>C</b>	60000	$6 \times 10^4$
<b>D</b>	60	$6 \times 10^1$
<b>E</b>	0.0006	$6 \times 10^{-4}$
<b>F</b>	0.5	$5 \times 10^{-1}$
<b>G</b>	0.006	$6 \times 10^{-3}$
<b>H</b>	560	$5.6 \times 10^2$
<b>I</b>	0.056	$5.6 \times 10^{-2}$
<b>J</b>	0.000056	$5.6 \times 10^{-5}$
<b>K</b>	5650000	$5.65 \times 10^6$
<b>L</b>	56.5	$5.65 \times 10^1$
<b>M</b>	5.65	$5.65 \times 10^0$

<b>N</b>	$4 \times 10^2$	400
<b>O</b>	$3 \times 10^5$	300000
<b>P</b>	$3 \times 10^{-2}$	0.03
<b>Q</b>	$4 \times 10^4$	40000
<b>R</b>	$3 \times 10^{-4}$	0.0003
<b>S</b>	$4 \times 10^{-1}$	0.4
<b>T</b>	$3 \times 10^6$	3000000
<b>U</b>	$4.3 \times 10^4$	43000
<b>V</b>	$4.3 \times 10^{-2}$	0.043
<b>W</b>	$4.3 \times 10^0$	4.3
<b>X</b>	$4.33 \times 10^{-5}$	0.0000433
<b>Y</b>	$4.33 \times 10^{-3}$	0.00433
<b>Z</b>	$4.33 \times 10^1$	43.3

Now decode the joke....

4.3	$5.6 \times 10^2$	$5.6 \times 10^{-2}$	$6 \times 10^4$	$5.6 \times 10^2$
<b>W</b>	<b>H</b>	<b>I</b>	<b>C</b>	<b>H</b>

$5.65 \times 10^6$	$5.6 \times 10^{-2}$	400	$6 \times 10^{-3}$
<b>K</b>	<b>I</b>	<b>N</b>	<b>G</b>

$5.65 \times 10^1$	300000	0.043	$6 \times 10^{-4}$	$6 \times 10^1$
<b>L</b>	<b>O</b>	<b>V</b>	<b>E</b>	<b>D</b>

$5 \times 10^{-1}$	0.0003	$5 \times 10^3$	$6 \times 10^4$
<b>F</b>	<b>R</b>	<b>A</b>	<b>C</b>

3000000	$5.6 \times 10^{-2}$	300000	400	0.4	?
<b>T</b>	<b>I</b>	<b>O</b>	<b>N</b>	<b>S</b>	<b>?</b>

$5.6 \times 10^2$	$6 \times 10^{-4}$	400	0.0003
<b>H</b>	<b>E</b>	<b>N</b>	<b>R</b>

0.00433	3000000	$5.6 \times 10^2$	$6 \times 10^{-4}$
<b>Y</b>	<b>T</b>	<b>H</b>	<b>E</b>

$6 \times 10^{-4}$	$5.6 \times 10^{-2}$	$6 \times 10^{-3}$	$5.6 \times 10^2$
<b>E</b>	<b>I</b>	<b>G</b>	<b>H</b>

3000000	$5.6 \times 10^2$	!
<b>T</b>	<b>H</b>	<b>!</b>