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| **Decode the Joke** | **Standard Form** |

Convert each value to or from standard form.

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| --- | --- | --- | --- | --- | --- | --- |
| **A** | $$5000$$ |  |  | **N** | $$4×10^{2}$$ |  |
| **B** | $$0.05$$ |  |  | **O** | $$3×10^{5}$$ |  |
| **C** | $$60000$$ |  |  | **P** | $$3×10^{-2}$$ |  |
| **D** | $$60$$ |  |  | **Q** | $$4×10^{4}$$ |  |
| **E** | $$0.0006$$ |  |  | **R** | $$3×10^{-4}$$ |  |
| **F** | $$0.5$$ |  |  | **S** | $$4×10^{-1}$$ |  |
| **G** | $$0.006$$ |  |  | **T** | $$3×10^{6}$$ |  |
| **H** | $$560$$ |  |  | **U** | $$4.3×10^{4}$$ |  |
| **I** | $$0.056$$ |  |  | **V** | $$4.3×10^{-2}$$ |  |
| **J** | $$0.000056$$ |  |  | **W** | $$4.3×10^{0}$$ |  |
| **K** | $$5650000$$ |  |  | **X** | $$4.33×10^{-5}$$ |  |
| **L** | $$56.5$$ |  |  | **Y** | $$4.33×10^{-3}$$ |  |
| **M** | $$5.65$$ |  |  | **Z** | $$4.33×10^{1}$$ |  |

Now decode the joke….

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$4.3$$ | $$5.6×10^{2}$$ | $$5.6×10^{-2}$$ | $$6×10^{4}$$ | $$5.6×10^{2}$$ |  | $$5.65×10^{6}$$ | $$5.6×10^{-2}$$ | $$400$$ | $$6×10^{-3}$$ |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$5.65×10^{1}$$ | $$300000$$ | $$0.043$$ | $$6×10^{-4}$$ | $$6×10^{1}$$ |  | $$5×10^{-1}$$ | $$0.0003$$ | $$5×10^{3}$$ | $$6×10^{4}$$ |
|  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$3000000$$ | $$5.6×10^{-2}$$ | $$300000$$ | $$400$$ | $$0.4$$ | ? |  | $$5.6×10^{2}$$ | $$6×10^{-4}$$ | $$400$$ | $$0.0003$$ |
|  |  |  |  |  | ? |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$0.00433$$ |  | $$3000000$$ | $$5.6×10^{2}$$ | $$6×10^{-4}$$ |  | $$6×10^{-4}$$ | $$5.6×10^{-2}$$ | $$6×10^{-3}$$ | $$5.6×10^{2}$$ |
|  |  |  |  |  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| $$3000000$$ | $$5.6×10^{2}$$ | ! |
|  |  | ! |