**Metric Conversion Staircase**

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|  |  |  |  |  |  |  |  |  |  |  | **Base Unit (no prefix)**  |  |  |  |  |  |  |  |
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|  |  |  |  | **Base Units**m = meters (distance) s = seconds (time)g = grams (mass) J = Joules (energy)**Prefixes**In the metric system, prefixes are added to base units to change their value. Examples:km=kilometer (1000 meters)cm=centimeter (0.01 meters)mm=millimeter (0.001 meters)kg=kilogram (1000 grams) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | **Unit Conversion Examples:**1. 2781 cm 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_m
2. 0.023 mm 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_µm
3. 62 kg 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_mg
4. 79,000,000 ns 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_s
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