

Weights and Measures SparkCharts

* Weights and Measures

sparkcharts

INTRODUCTION

The metric system, also known as the SI (Système International) unit system, is the most widely used system of measurement in the world. It is based on the meter for length and the kilogram for mass. The metric system is a decimal system, meaning that units are related by powers of ten. This makes it easy to convert between units. The metric system is also a universal system, meaning that it is used by almost everyone in the world.

UNITS IN THE METRIC SYSTEM

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UNITS IN THE METRIC SYSTEM

Metric Unit	Symbol	Abbreviation	Prefix	Symbol
1 kilometer	km	1,000 meters	kilo	k
1 meter	m	1 meter	meter	m
1 centimeter	cm	1/100 meter	centi	c
1 millimeter	mm	1/1,000 meter	milli	mm
1 micrometer	µm	1/1,000,000 meter	micro	µ
1 nanometer	nm	1/1,000,000,000 meter	nano	n

LENGTH

1 kilometer (km) = 1,000 meters
1 meter (m) = 1 meter
1 centimeter (cm) = 1/100 meter
1 millimeter (mm) = 1/1,000 meter
1 micrometer (µm) = 1/1,000,000 meter
1 nanometer (nm) = 1/1,000,000,000 meter

LENGTH—METRIC

Unit	Symbol	Abbreviation	Prefix	Symbol
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LENGTH—ENGLISH

Unit	Symbol	Abbreviation	Prefix	Symbol
1 kilometer	km	1,000 meters	kilo	k
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1 centimeter	cm	1/100 meter	centi	c
1 millimeter	mm	1/1,000 meter	milli	mm
1 micrometer	µm	1/1,000,000 meter	micro	µ
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CONVERSION FACTORS

Unit	Symbol	Abbreviation	Prefix	Symbol
1 kilometer	km	1,000 meters	kilo	k
1 meter	m	1 meter	meter	m
1 centimeter	cm	1/100 meter	centi	c
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LENGTH

MASS & WEIGHT

1 kilogram (kg) = 1,000 grams
1 gram (g) = 1 gram
1 milligram (mg) = 1/1,000 gram
1 microgram (µg) = 1/1,000,000 gram
1 nanogram (ng) = 1/1,000,000,000 gram
1 picogram (pg) = 1/1,000,000,000,000 gram
1 femtogram (fg) = 1/1,000,000,000,000,000 gram
1 attogram (ag) = 1/1,000,000,000,000,000,000 gram
1 zeptogram (zg) = 1/1,000,000,000,000,000,000,000 gram
1 yoctogram (yg) = 1/1,000,000,000,000,000,000,000,000 gram

MASS—METRIC

Unit	Symbol	Abbreviation	Prefix	Symbol
1 kilogram	kg	1,000 grams	kilo	k
1 gram	g	1 gram	gram	g
1 milligram	mg	1/1,000 gram	milli	mm
1 microgram	µg	1/1,000,000 gram	micro	µg
1 nanogram	ng	1/1,000,000,000 gram	nano	ng
1 picogram	pg	1/1,000,000,000,000 gram	pico	pg
1 femtogram	fg	1/1,000,000,000,000,000 gram	femto	fg
1 attogram	ag	1/1,000,000,000,000,000,000 gram	atto	ag
1 zeptogram	zg	1/1,000,000,000,000,000,000,000 gram	zepto	zg
1 yoctogram	yg	1/1,000,000,000,000,000,000,000,000 gram	yocto	yg

MASS—ENGLISH

Unit	Symbol	Abbreviation	Prefix	Symbol
1 kilogram	kg	1,000 grams	kilo	k
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1 nanogram	ng	1/1,000,000,000 gram	nano	ng
1 picogram	pg	1/1,000,000,000,000 gram	pico	pg
1 femtogram	fg	1/1,000,000,000,000,000 gram	femto	fg
1 attogram	ag	1/1,000,000,000,000,000,000 gram	atto	ag
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1 nanometer	nm	1/1,000,000,000 meter	nano	n

MASS & WEIGHT

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Reviews

Unquestionably, this is the finest work by any publisher. I really could comprehend every little thing using this published e book. You will not sense monotony at anytime of your respective time (that's what catalogs are for regarding should you question me).

(Joe Kessler)

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