

Using the SI System of Measurement

How to use the Metric System:

- Rule #1:** Every measurement consists of a number and a unit. A space is left between the last digit of a number and the unit.
E.g. **75 cm** [not 75cm]
- Rule #2:** A period is not used after a unit abbreviation or symbol (except at the end of a sentence)
E.g. **1.36 m** [not 1.36 m.]
- Rule #3:** Numbers and symbols must be used together. Numbers and words, or words and symbols are not used together.
E.g. **6 m** [not 6 meters]
E.g. **six meters** [not six m]
- Rule #4:** Decimal fractions rather than common fractions are used.
E.g. **0.25 cm** [not $\frac{1}{4}$ cm]
- Rule #5:** A zero is placed before a decimal marker.
E.g. **0.67 mm** [not .67 mm]
- Rule #6:** Long numbers are written with spaces (not commas) separating groups of three digits (triads) on either side of the decimal marker. Numbers of four digits are not separated into triads (except in some comparison tables).
E.g. **12 626.46** [not 12,626.46]
E.g. **2500** [not 2 500]

Correct the errors in each of the following recorded measurements.

- a) 24 meters 24 m
- b) $\frac{1}{2}$ cm 0.5 cm
- c) 8mm 8 mm
- d) 120 km. 120 km
- e) .9 mm 0.9 mm
- f) ten m 10 m or ten meters
- g) 18, 500 km 18 500 km
- h) 29 cm. 29 cm
- i) 12000 dm 12 000 dm
- j) .5 cm 0.5 cm
- k) one hundred km one hundred kilometers or 100 km
- l) $\frac{1}{4}$ hm 0.25 hm