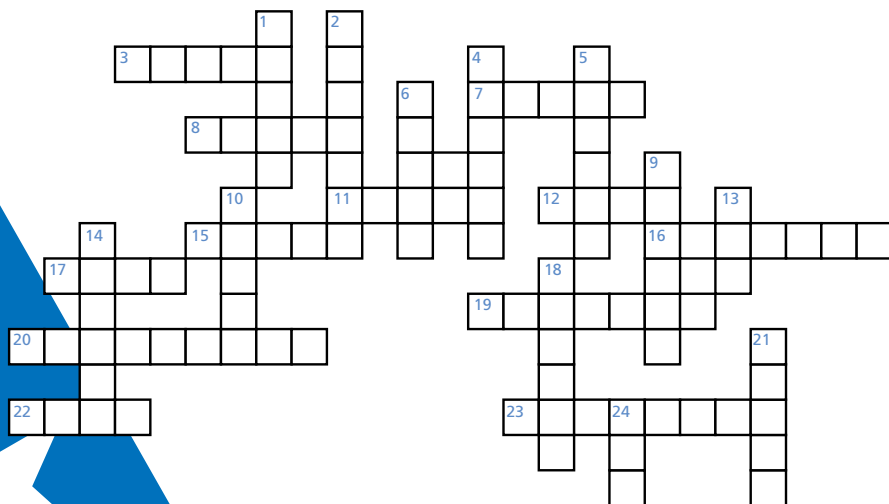# Go Metric

Crossword Challenge:

SI Units

Across

3. SI unit of energy.
7. The official unit of length in the United States.
8. SI unit of capacitance.
11. Unit of volume, equal to one cubic decimeter.
12. SI unit for amount of substance.
15. SI unit of magnetic flux density.
16. SI unit of electric charge.
17. SI unit of power.
19. SI unit of electric conductance.
20. SI unit of radioactivity.
22. SI unit of electric potential.
23. SI unit of mass.

Down

1. SI unit of inductance.
2. SI unit of luminous intensity.
4. SI unit of electric current.
5. SI unit of force.
6. SI unit of frequency.
9. SI unit of time.
10. SI unit of magnetic flux.
13. SI unit of illuminance.
14. SI unit of pressure.
18. SI unit of temperature, an increment of which is equal to one degree Celsius.
21. SI unit of luminous flux.
24. SI unit of electric resistance.

Using SI-metric Units Correctly

Here are some points to keep in mind when using SI-metric units.

1. Short forms for SI units (such as mm for millimeter) are called **symbols,** not abbreviations.
2. SI symbols never end with a period unless they are the last word in a sentence.
   RIGHT: 20 mm, 10 kg
   WRONG: 20 mm., 10 kg.
3. SI symbols should be preceded by digits and a space must separate the digits from the symbol.
   RIGHT: It was 300 mm wide. The millimeter width was given.
   WRONG: It was 300 mm wide. The mm width was given.
4. Symbols are always written in the singular form (even when more than one is meant).
   RIGHT: 1 mm, 500 mm, 1 kg, 36 kg
   WRONG: 500 mms, 36 kgs

BUT: It *is* correct to pluralize written-out metric unit names:
25 kilograms, 250 milliliters

If you've got more questions concerning correct use of SI-metric units, visit the U.S. Metric Association (USMA) Web site at:

www.metric.org

Answers