# NON-METRIC UNITS OF LENGTH, IN MEMORIAM

## IMPERIAL UNITS

- 1 foot = 12 inches (1 inch is about 2.5 cm)
- 1 yard = 3 feet (1 yard is about 91.5 cm)
- 1 rod = 16.5 feet
- 1 chain = 22 yards
- 1 furlong = 40 rods
- 1 mile = 8 furlongs = 1760 yards (1 mile is about 1.6 km)

# **ROMAN UNITS**

- 1 foot = 12 inches = 16 digits = 4 palms
- 1 cubit = 6 palms
- 1 pace (double step) = 5 feet
- 1 mile = 1000 paces

Only 3 countries do not use the metric system, Nigeria, Myanmar and the USA.

#### THE METRIC SYSTEM

The first practical implementation of the metric system was the system implemented by French Revolutionaries towards the end of the 18th century. Its key features are as follows:

- •it is decimal
- the unit sizes are derived from Nature
- •units for different dimensions are related to each other in a rational manner
- •prefixes are used to denote multiples and sub-multiples of its units.

### **COMMON METRIC UNITS OF LENGTH**

THE METRE (abbreviation m)

the centimetre (abbreviation cm)

1 m = 100 cm (think about 100 cents in one dollar)

the millimetre (abbreviation mm)

1 m = 1,000 mm 1 cm = 10 mm

the kilometre (abbreviation km)

1 km = 1,000 m

### **CONVERTING LENGTH MEASUREMENTS**

Convert these lengths to the units shown in the brackets:

$$5.2 \times 10 = 52 \text{ mm}$$

$$734 \div 100 = 7.34 \text{ m}$$

$$85,000 \div 100 \div 1,000 = 0.85 \text{ km}$$