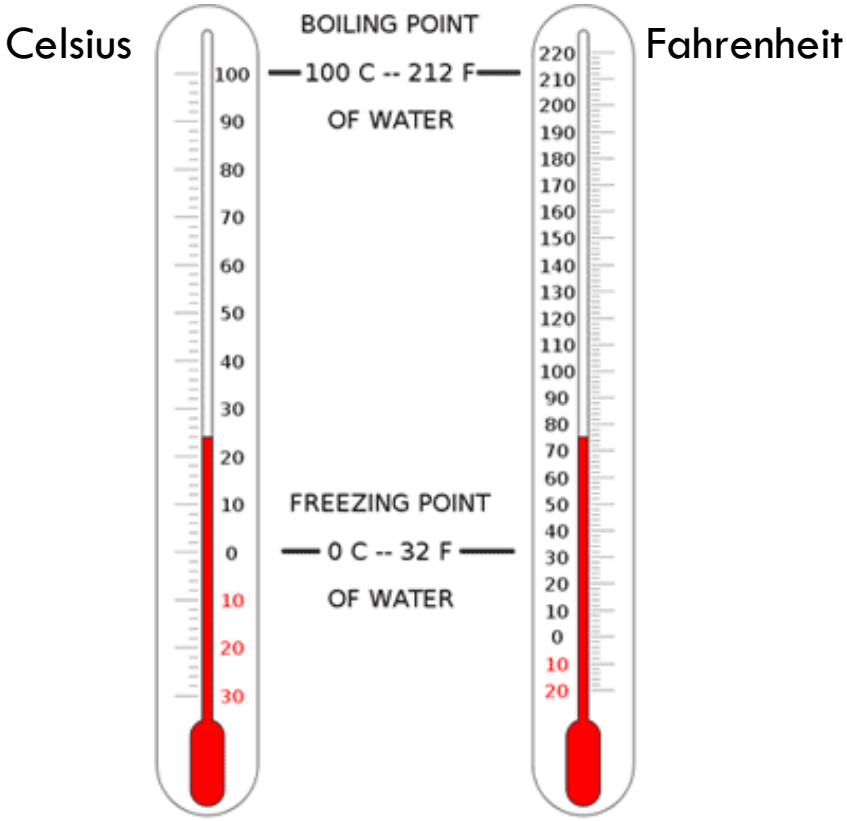
METRIC COMPARISON

Using the International System of Units

TEMPERATURE

TEMPERATURE

Temperature is the measurement of the warmth or coldness of an object or substance. The SI unit of temperature is the Kelvin which is represented by a capital **K**. The other metric unit for temperature is **degrees Celsius** which is represented by a **°C**.



Metric Units

0 °C = 273 K

100 °C = 373 K

Which temperature is warmer?

A. 10 °C or 35 °F

B. 100 °C or 150 °F

C. 25 °C or 75 °F

Temperature

100°C – (212°F)
Boiling Water

76 °C – (169°F)
Hot Coffee

50 °C – (122°F)
Hot Bath

37 °C – (98.6°F)
Body Temperature

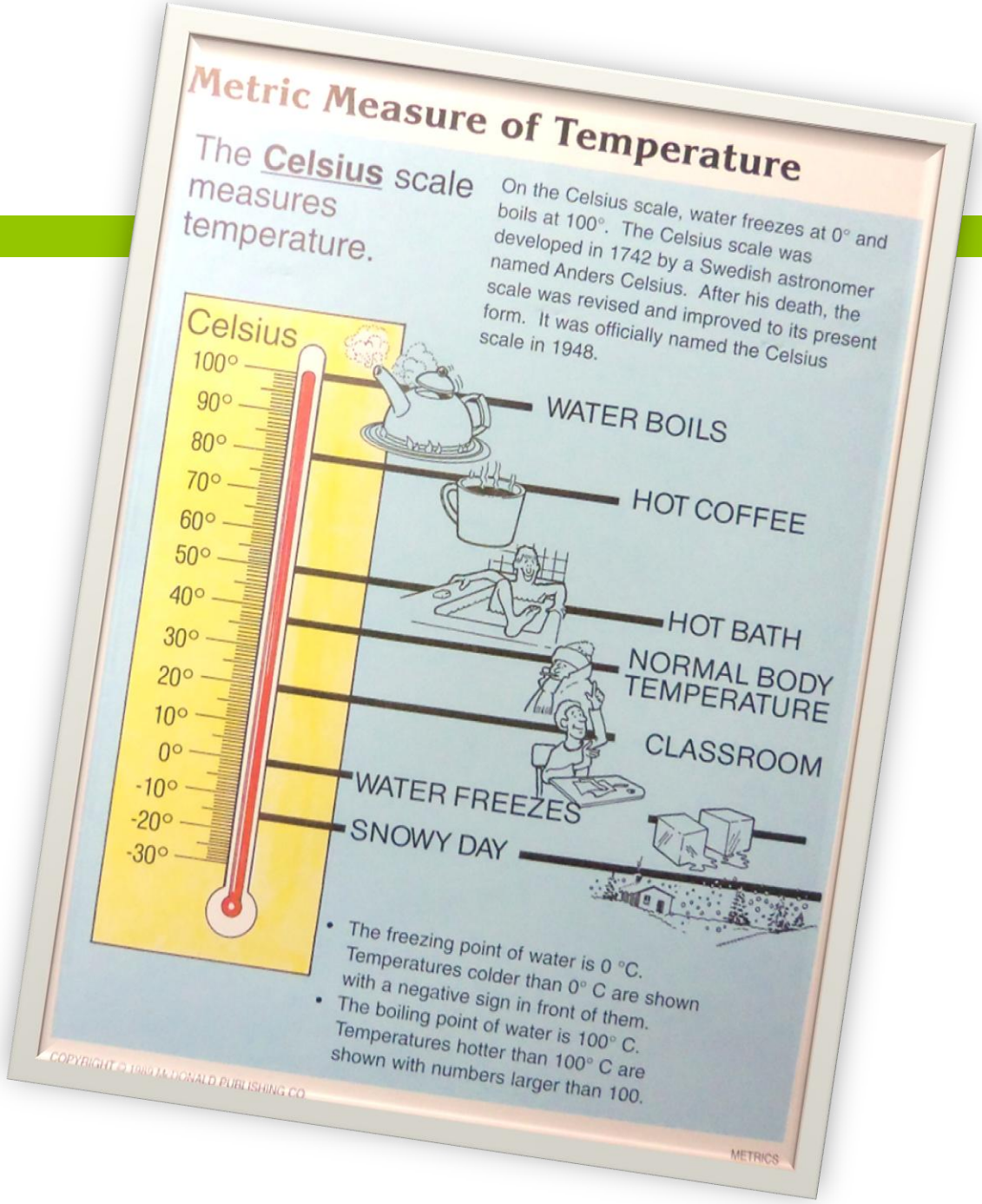
30 °C – (86°F)
Summer Day

21 °C – (70°F)
Classroom

5 °C – (41°F)
Late Fall/Early Spring

0°C – (32°F)
Freezing Water

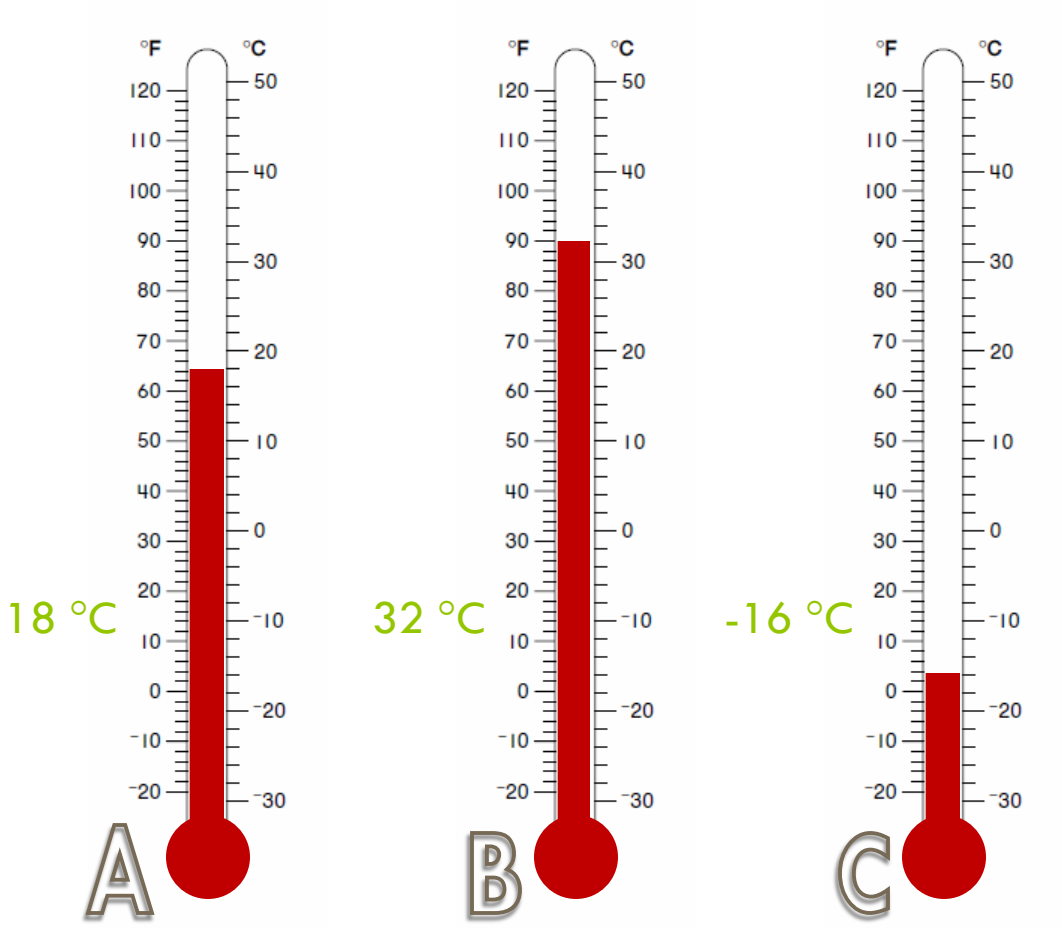
-12°C – (10°F)
Winter Day



TEMPERATURE

MEASURING TEMPERATURE

What is the temperature in °C?




GENERAL ELECTRIC CO.
16.53 0.28
COCA COLA CO.
54.95 1.24
AT&T
CHICAGO
NEW YORK
LONDON
TOKYO
ARKANSAS TECH UNIVERSITY


10:35

TIME

TIME

Time is the duration of an event. The basic SI unit of time is the **second** which is represented by a lowercase **s** or **sec.**

Metric Units

60 seconds (sec) = 1 minute (min)

1 second (sec) = 1000 milliseconds (ms)

Which is the correct time?

A. 1 min 25 sec 33 m

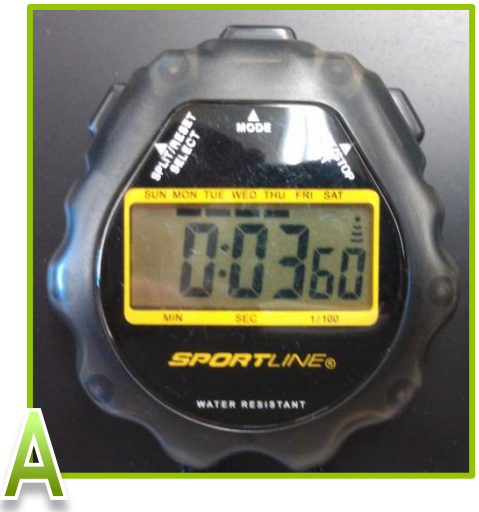
B. 1 min 25.33 sec

C. 1 min 25.033 sec

TIME

MEASURING TIME

What is the time?



A

3.60 sec

B

1 min 27.81 sec

C

35.94 sec