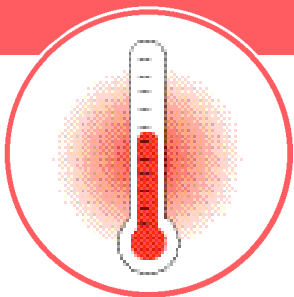


Unit Conversions

Kassie watched the news and recorded the temperature for her area. At 8 a.m., it was 45 degrees Fahrenheit. By noon, the temperature had risen to 65 degrees Fahrenheit. Use the convert feature on the TI-73 Explorer™ to see what the two temperature readings would be in degrees Celsius.



Engage

1. Turn on your calculator and press **[MODE]**, use the arrow keys to move the Mode out of FLOAT and set it to 0, then press **[2nd]** **[QUIT]**
2. Enter the first temperature reading on your Home screen
3. Press **[2nd]** **[UNIT]** (to access the CONVERT feature)
4. Press **[5]** for 5: Temp
5. On the TEMP screen, press **[2]** for 2: deg F and then press **[1]** for 1: deg C and press **[ENTER]**
6. Now convert 65 degrees F to Celsius by repeating steps 1-4

Explore

1. What was the temperature of the water in degrees Celsius when it was 45 degrees F? 65 degrees F?
2. In two hours, how much did the temperature of the water rise in degrees Celsius?

Extend

Measure your height in feet; convert your findings to inches or meters on paper. Then use the convert feature of the calculator to check your work.

```
Normal Sci
Float 123456789
Degree Radian
SubC b/c
AutoSIMP Mansimp
```

```
45 degF to degC 7
█
```

```
45 degF to degC 7
65 degF to degC 18
```

```
45 degF to degC 7
65 degF to degC 18
18-7 11
```