



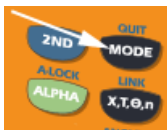
Calculator Appendix L



Scientific Notation

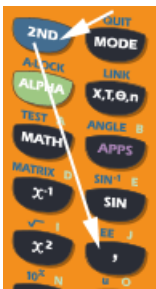
A number in scientific notation is expressed as a number between 1 and 10 ($1 \leq n < 10$) times a power of 10.

For example, 345 in scientific notation is written as 3.45×10^2 while .0948 is written as 9.48×10^{-2} .



Using the **MODE** key, either the **NORMAL** or **SCientific** notation mode can be selected. With the **NORMAL**

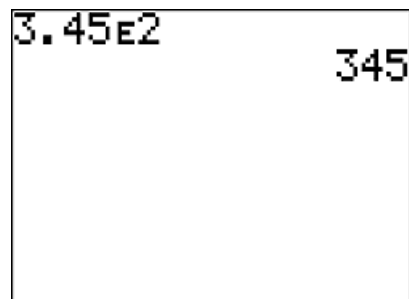
mode selected, the following shows how to convert 3.45×10^2 to **NORMAL** mode, 345.



Enter 3.45×10^2 by first entering **3.45**. Press **2nd EE** to produce this result on the display. **E** indicates that whatever follows is to be the exponent of 10.



Now enter **2** (the exponent of 10), and then press **ENTER**. The answer, 345, in **NORMAL** mode is displayed.



With the **SCI** mode selected, the following shows how to convert 345 to **SCI** mode, 3.45E2 (which means 3.45×10^2).

```

NORMAL  SCI  ENG
FLOAT  0123456789
RADIAN  DEGREE
FUNC  PAR  POL  SEQ
CONNECTED  DOT
SEQUENTIAL  SIMUL
REAL  a+bi  re^θi
FULL  HORIZ  G-T
SET CLOCK 12/04/01 13:25

```

```

345
3.45E2

```

Enter **345** and then press **ENTER**. The equivalent of 345 in scientific notation, 3.45E2, is displayed.

When in the **SCI** mode, all results of calculations will be displayed in scientific notation as illustrated with this problem:

$$3478 (.052) + 3.788 = 1.84644 \times 10^2$$

```

3478*.052+3.788
1.84644E2

```