Fractions and Decimals

To convert a decimal into a fraction, form the numerator by multiplying the decimal by 10^n, where n is the number of digits after the decimal point. The denominator is simply 10^n. Then, reduce the fraction to its lowest terms.

Example

Convert 0.75 into a fraction.

Before Starting There may be differences in the results of calculations and graph plotting depending on the setting. Return all settings to the default value and delete all data.
We recommend using the Basic keyboard to calculate fractions.

Step & Key Operation	Display	Notes
1 Choose the manual mode for reducing fractions. `2nd F` `SET UP` `F` `2` `H` `2`		

2 Convert 0.75 into a fraction.
 	
`CL` `0` `·` `7` `5` `2nd F` `FRAC`
`3` `ENTER`		

3 Reduce the fraction. `2nd F` `FRAC` `1` `ENTER`		The fraction can be reduced by a factor of 5.
4 Enter 3 to further reduce the fraction. `2nd F` `FRAC` `1` `3` `ENTER`		The fraction cannot be reduced by a factor of 3, even though the numerator can be. (15 = 3 x 5)
5 Enter 5 to reduce the fraction. `2nd F` `FRAC` `1` `5` `ENTER`		0.75 = 3/4

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The EL-9450 can easily convert a decimal into a fraction. It also helps students learn the steps involved in reducing fractions.

SHARP