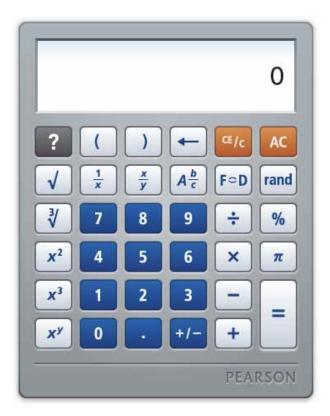
Interactive Math Tools Help

**In this tool,** you can evaluate numerical expressions.



- 1. ? Launch a help file PDF for the tool.
- 2. ( Use the left parenthesis to begin a parenthetical expression.

Note: When using the square root or cube root keys, the left parenthesis for the expression inside the radical is already present.

- **3.** Use the right parenthesis to end a parenthetical expression.
- **4.** Use the backspace button remove the last character(s) in the calculator display.
- 5. If an expression with an operator is present, pressing the Clear Entry button will clear any part of the expression after one of the operators (+, -, ×, ÷) on the screen but keep the operator and any expression to the left of the operator. If no operator is present, the Clear Entry button will clear the entire expression.



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- **6.** AC Clears all information on the calculator display.
- 7. When you press the square root key, a square root symbol appears in the calculator display.

  Note: a left parenthesis appears with the square root symbol, and you must end the parenthetical expression if the square root is part of a larger expression.
- **8.**  $\left[\frac{1}{x}\right]$  When you press the reciprocal key, the last number entered on the calculator screen is updated to display its reciprocal.
- 9. To use the fraction key, first you must type a value for the numerator (x) into the calculator display. Then, after pressing the fraction key, the value you entered is placed into the numerator of a fraction. The next value you enter will become the denominator of the expression (y). If you press the equal sign before entering a value for the denominator, a value of 1 is used for the denominator. Fractions will display in simplest form upon pressing the equal sign.
- 10. Ab After you have entered your expression to evaluate, the last value in the expression on the calculator screen can be viewed as a fraction or mixed number by pressing the mixed number key.

  Note: Any number that cannot be expressed as a fraction or mixed number, or cannot be simplified, will not update after pressing the mixed number key.
- **11.** FoD Once you've entered a value in the calculator display, you can press the fraction to/from decimal key to alter the form in which the value appears. A fractional value can be converted to display as an equivalent decimal, and a decimal can be converted to display as an equivalent simplified fraction.

Note: Not all decimals can be converted into fractions using the button.

- **12.** rand When you select the random button, a decimal between 0 and 1 appears in the calculator display as a decimal with ten digits following the decimal point. The ten decimal places are randomly generated and this feature could be used as a random number generator. If the tenth decimal place is a zero, then only nine values will appear after the decimal place.
- 13. When you press the cube root key, a cube root symbol appears in the calculator display.

  Note: a left parenthesis appears with the cube root symbol, and you must end the parenthetical expression if the cube root is part of a larger expression.
- **14.**  $x^2$  Once you have entered a value into the calculator display, you can press the squared key to square the current value in the calculator display.



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- **15.**  $x^3$  Once you have entered a value into the calculator display, you can press the cubed key to cube the current value in the calculator display.
- **16.** Once you have entered a value into the calculator display, you can press the x to the y key to use the current value as the base (x) of an exponential expression, and then enter the value of the exponent (y) to be applied to the base.
- 17. Once you have entered a value into the calculator display, you can press the % key to convert the current percent value to an equivalent decimal value.
- **18.**  $\pi$  You can press the pi key to enter an approximation for pi into any expression in the calculator display.

Note: Once you press the equal sign, the approximation for pi is part of the calculation and can no longer be seen as a symbol as part of the expression.

19. Once you have entered an expression into the calculator display, you can press the equal key to evaluate the expression.

Note: Pressing the equal key will evaluate the expression using the order of operations, reading from left to right in the calculator display.

20. +/- You can use the plus/minus key to change the value of the last value that appears in the calculator display to its opposite.