

Basic calculations ClassicView












Objectives:

- Practice basic calculations






Basic calculations



IMPORTANT: Graphing calculators know and use the order of operations correctly.

Some frequently-used buttons are:

-  is used as an equal sign.
- The caret key  (above the divide symbol) is for exponents.
- CAUTION:** The caret  is not a directional key    
- The 2nd function   is square root.
- The 2nd function   is π .

If you type something wrong, you can:

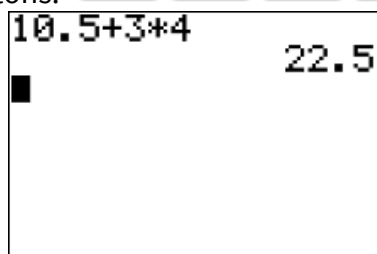
- Back up using the  key and type again.
- Or you can delete using the  key, and insert using INS, which is  .
- Or you can start over by pressing .

Don't forget:  means subtract, but  is negative!

Example 1: Calculate. $10.5 + 3(4) =$

{Remember: The order of operations means multiply before add.}

Press these buttons:         



See this screen:

The answer is 22.5

Try it!

Calculate two ways: with and without the calculator. If you don't get the same result, figure out why! The answers are at the end.

1) $-27 \div 3^2 =$

{Remember: The order of operations means exponents before divide.}



{That's a negative number, not subtract!}

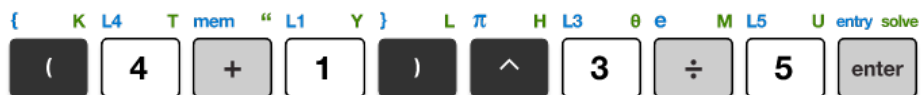
2) $3 - (-8) \div 4 + 7 \cdot 2$

{Remember: The order of operations means subtract and add are the same priority, left to right, just as divide and multiply are the same priority, left to right.}



3) $(4+1)^3 \div 5$

{Remember: The order of operations means grouping symbols before exponents.}



4) $\sqrt{4} + \frac{\pi}{\pi}$

{Remember: Any number divided by itself is 1.}



{Notice that the calculator opened a set of parentheses that you must close.}

Answers

1) $-27/9 = -3$

2) $3+2+14 = 19$

3) $125/5 = 25$

4) $2+1 = 3$