



**Math DefragGED:  
Calculator Tips and Tricks**

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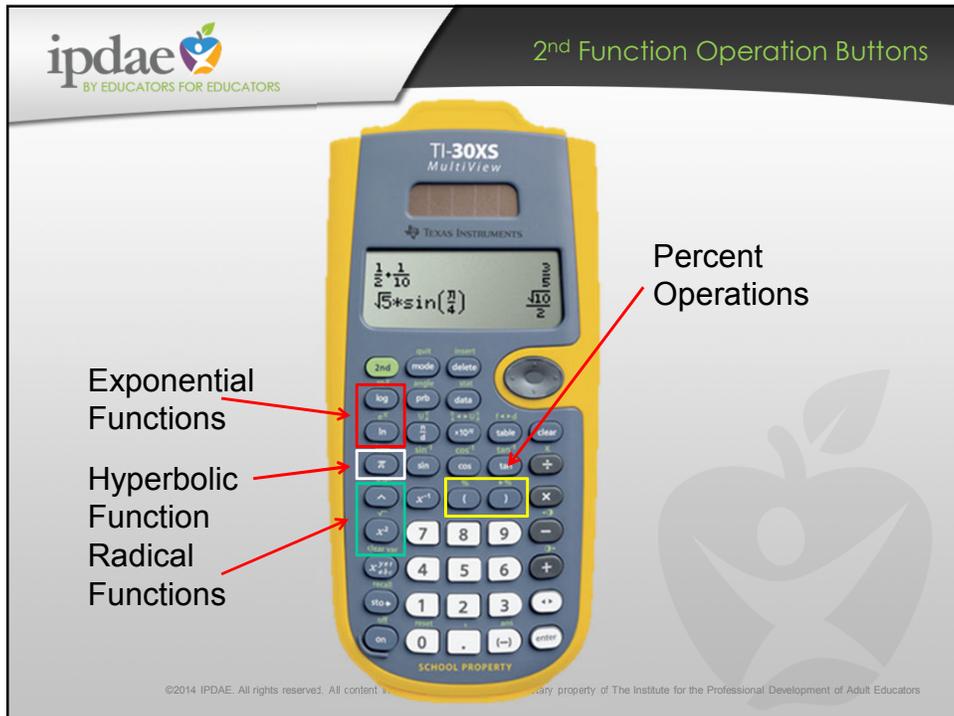
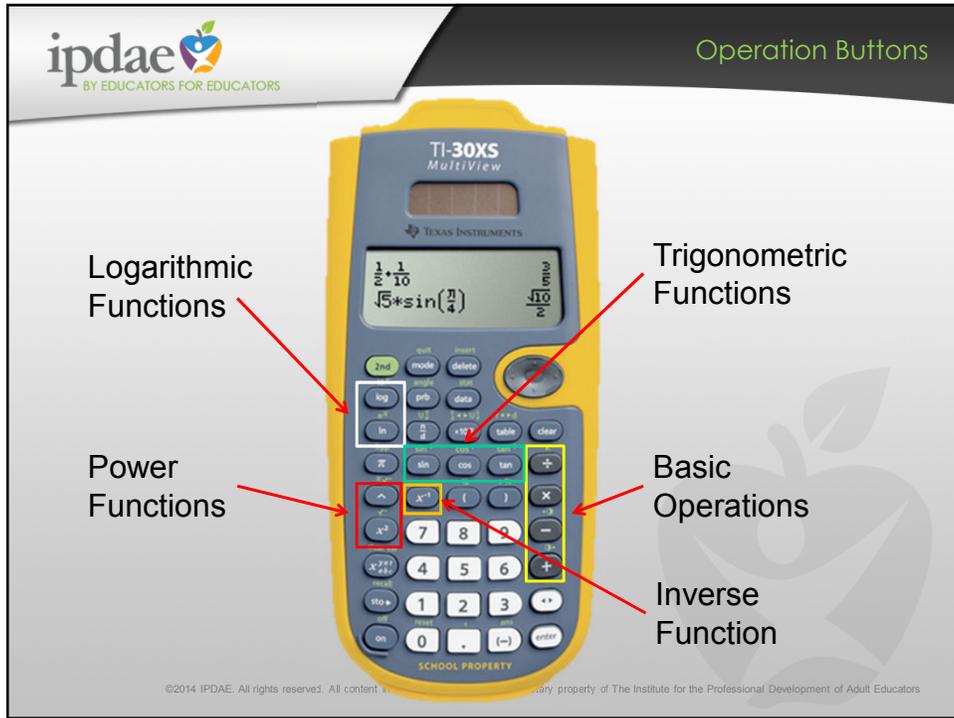
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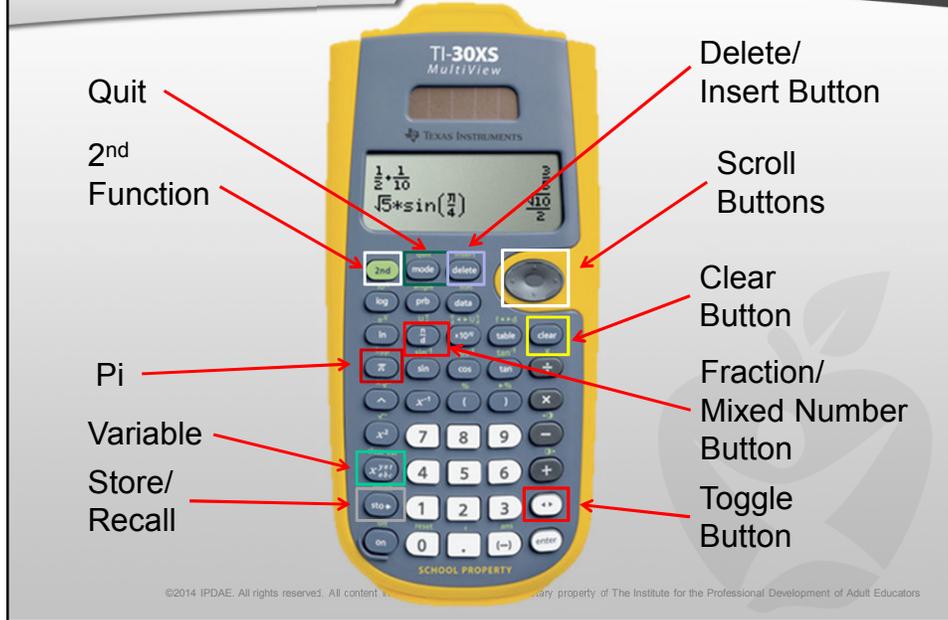
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## What's the difference between delete, clear and insert?

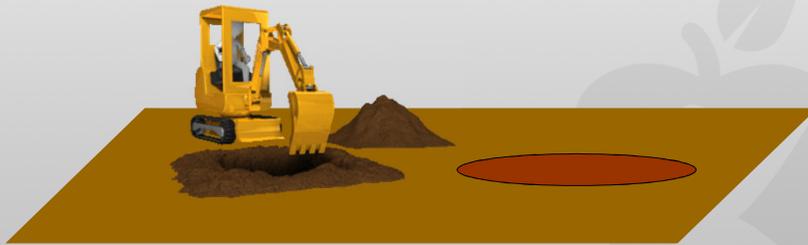
<b>clear</b>	Clears an error message. Clears characters on entry line. Moves the cursor to last entry in history once display is clear. Backs up one screen in applications.
<b>delete</b>	Deletes the character at the cursor.
<b>2<sup>nd</sup> [insert]</b>	Inserts a character at the cursor.

The TI-30XS Calculator automatically stores the last answer. To recall the last answer simply press  then .

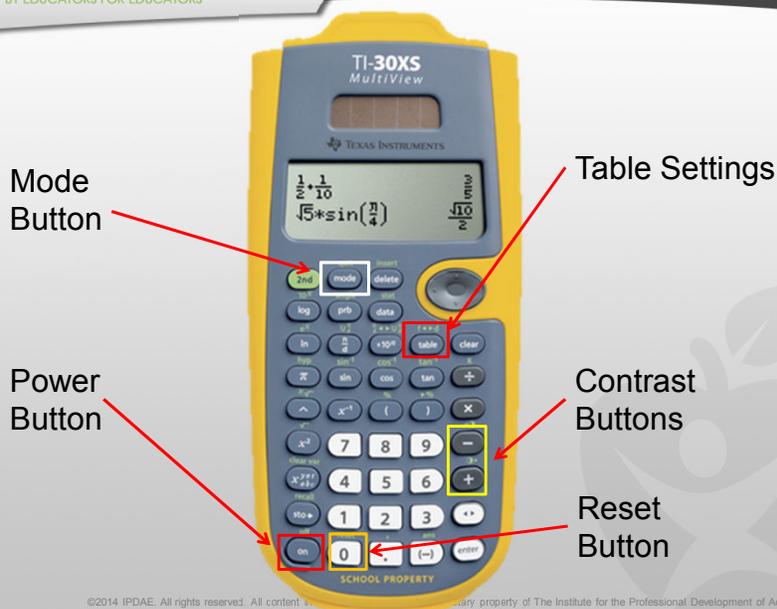
## How do we store and recall values?



In an excavation site, there were two circular areas to be excavated. One has a radius of 2m while the other has a radius of 4.5m. How much gravel has to be removed from each hole in order to reach a depth of 8m?



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- Remember to reset the calculator to remove any stored values, lists, settings or equations prior to taking the GED Test.
- Check the mode to see if it is set at default.



- If the display screen is still showing blank after turning-on the calculator check the display contrast.

**Mode Button**

**Angle Modes:**

- Degrees
- Radians
- Gradians

**Numeric Notation Modes:**

- Normal
- Scientific
- Engineering

**Decimal Notation Modes:**

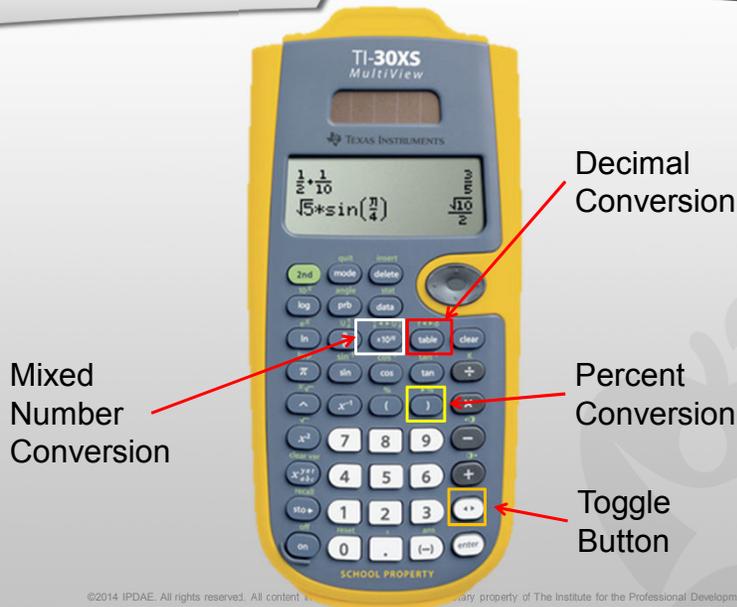
- Floating
- Fixed

**Display Modes:**

- Classic
- Mathprint

TI-30XS Multiview  
TEXAS INSTRUMENTS  
SCHOOL PROPERTY

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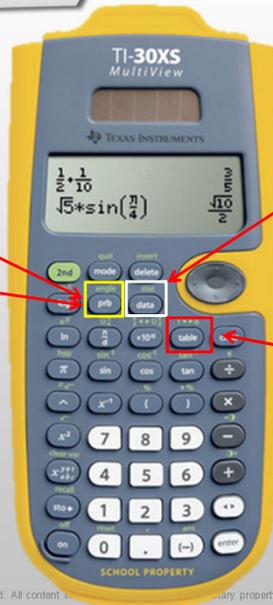
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Try out the following:

1. Convert  $\frac{3}{5}$  to a decimal.
2. Convert 0.41 to a percent.
3. Convert  $\frac{9}{7}$  to a mixed number.
4. Convert  $7\frac{5}{8}$  to a decimal and then to an improper fraction.
5. Convert 62% to a decimal.
6. Find the approximate value of  $\sqrt{8}$ .

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Angle  
Menu  
Probability  
Menu



Statistical  
Menu

Table Menu

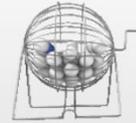
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# Questions



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- $nPr$  – Permutation
  - Selection of objects in a collection where the order is important
- $nCr$  – Combination
  - Selection of objects in a collection where order is irrelevant
- $!$  – Factorial =  $nPn$ 
  - Selection of all objects in a collection where the order is important



Try the following problems:

1. In designing your own backsplash, how many ways can you arrange 6 different colored tiles on a strip?



2. Luis has an empty plant box that can hold three plants so he went to Homes R Us to purchase plants. The store has 7 varieties of small plants to choose from. How many ways can Luis select 3 different plants to put in his empty plant box?

- Using the scrolling/directional buttons, you can append operations and expressions to previous lines, saving time in having to re-enter.
- This technique is especially useful when used in conjunction with the variable buttons.

[K] is a constant feature in the calculator that stores operations so that each subsequent time **enter** is pressed, the operation is recalled.

**Steps:**

1. Press **2nd** [K] to turn on.
2. Store any combination of values, operations and numbers. Press **enter** to save.
3. Each subsequent time **enter** is pressed, the operation is recalled.
4. Press **2nd** [K] again to turn off.

## Silo Problem:

A farmer has three silos. The largest silo has a diameter of 24 feet. The radius of the smallest silo is one-third as big as the diameter of the largest. The middle-sized silo has a radius that is 2 feet greater than the radius of the smallest silo. What is the circumference of each silo?

- 14  $\pi$
- 16  $\pi$
- 18  $\pi$
- 20  $\pi$
- 24  $\pi$



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Thank You!

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