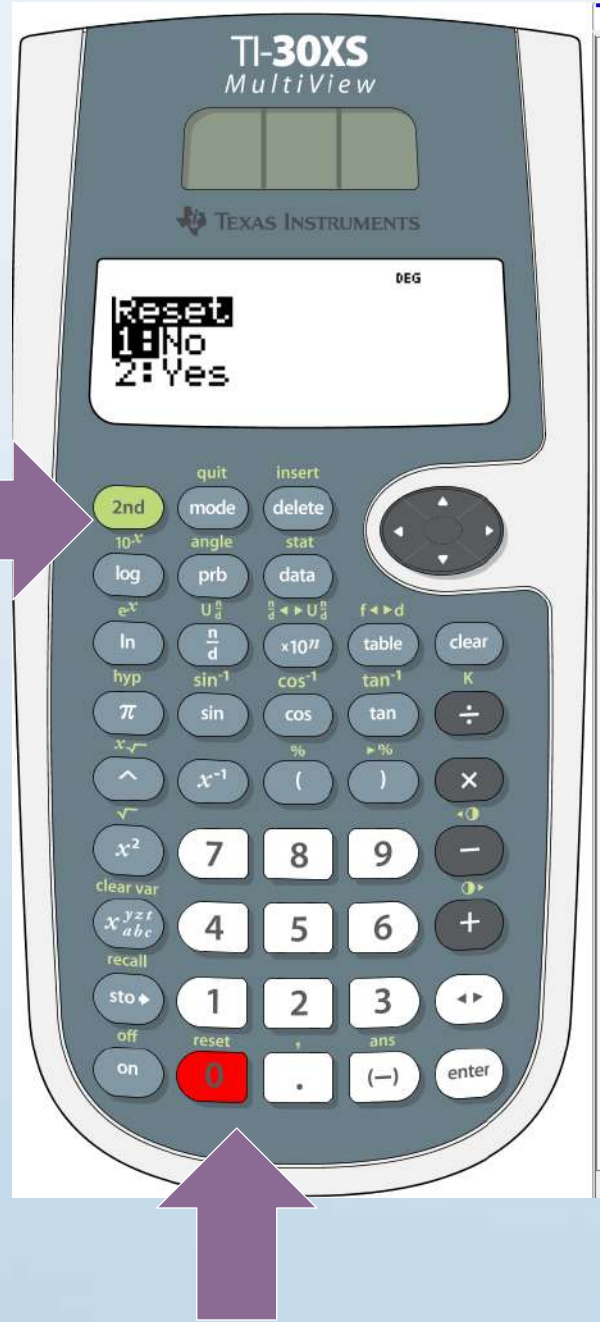
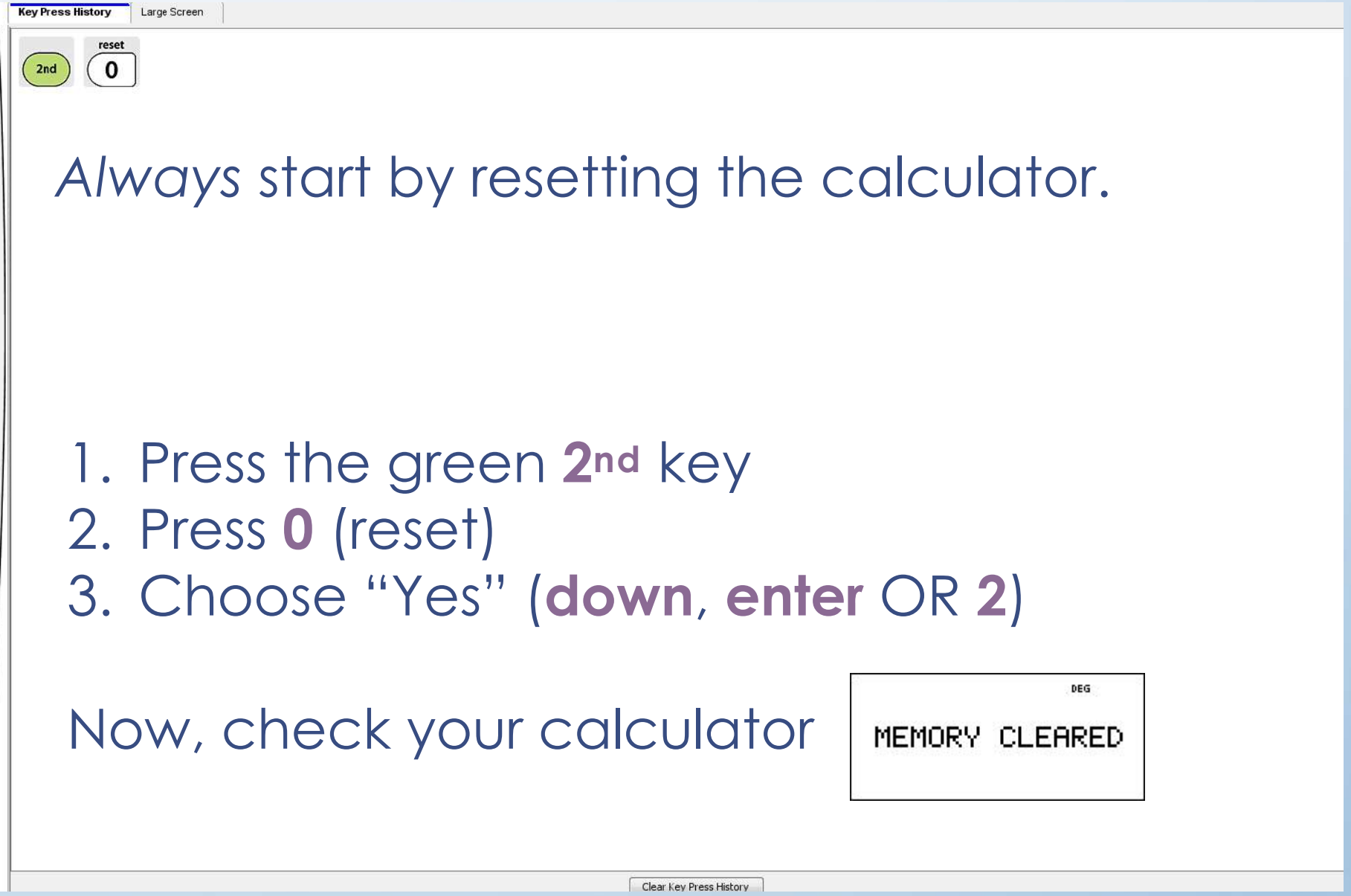
Using the TI-30XS

Smart Tips for Smart Testing

The Basics

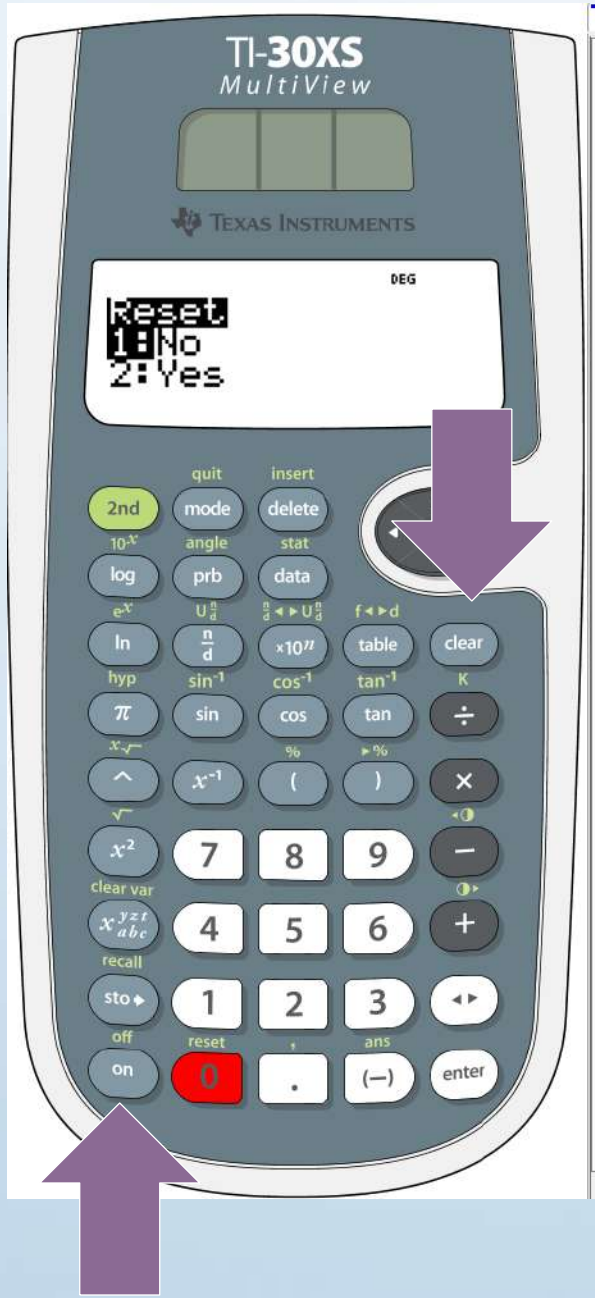


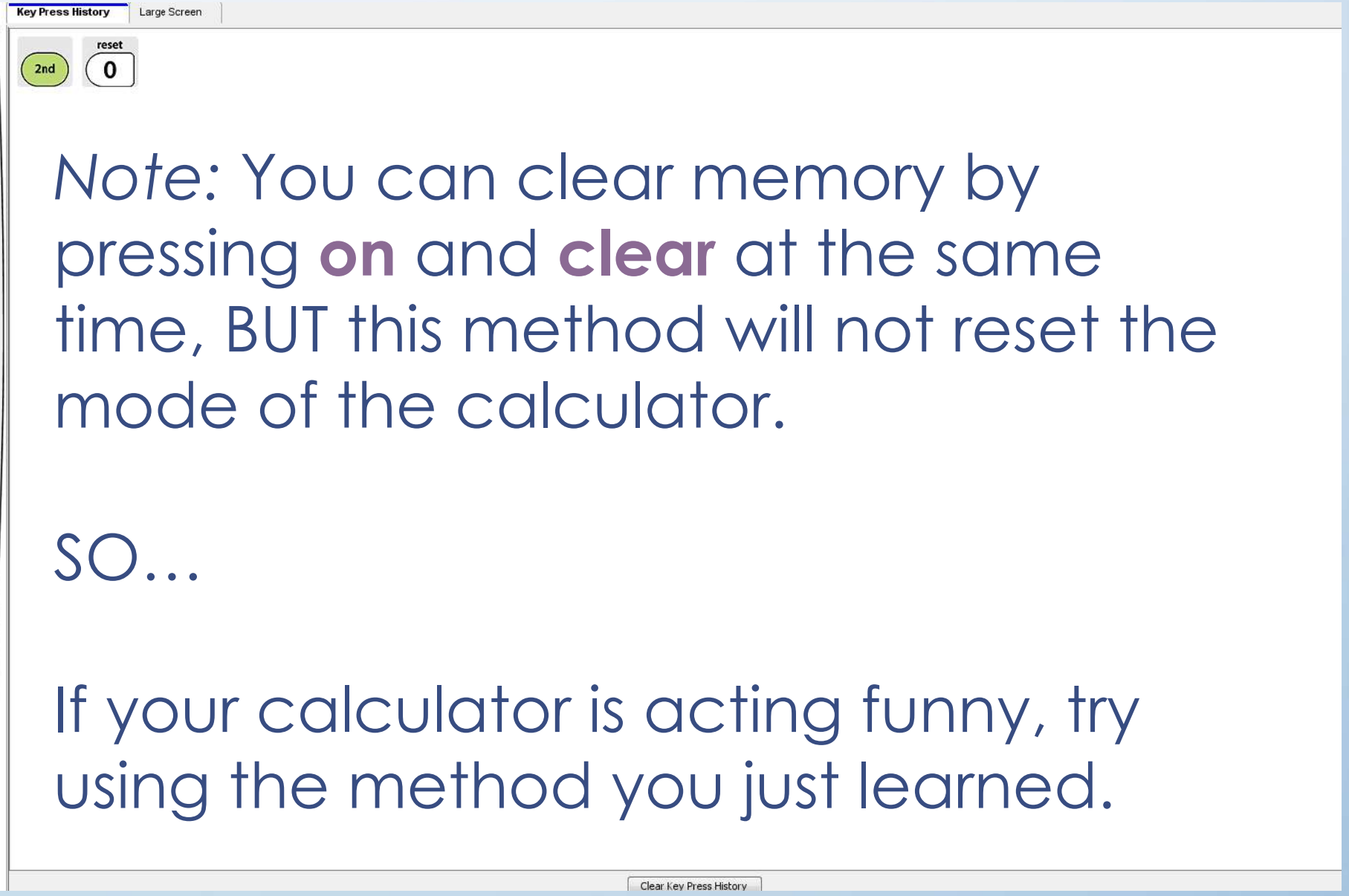


Always start by resetting the calculator.

1. Press the green **2nd** key
2. Press **0** (reset)
3. Choose "Yes" (**down**, **enter** OR **2**)

Now, check your calculator

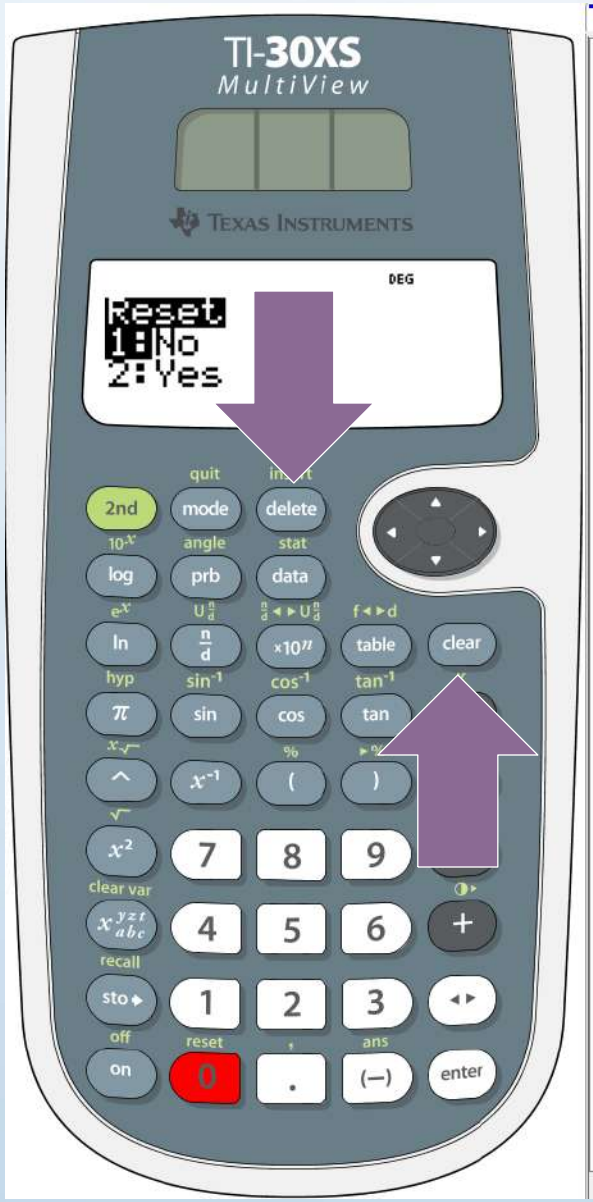


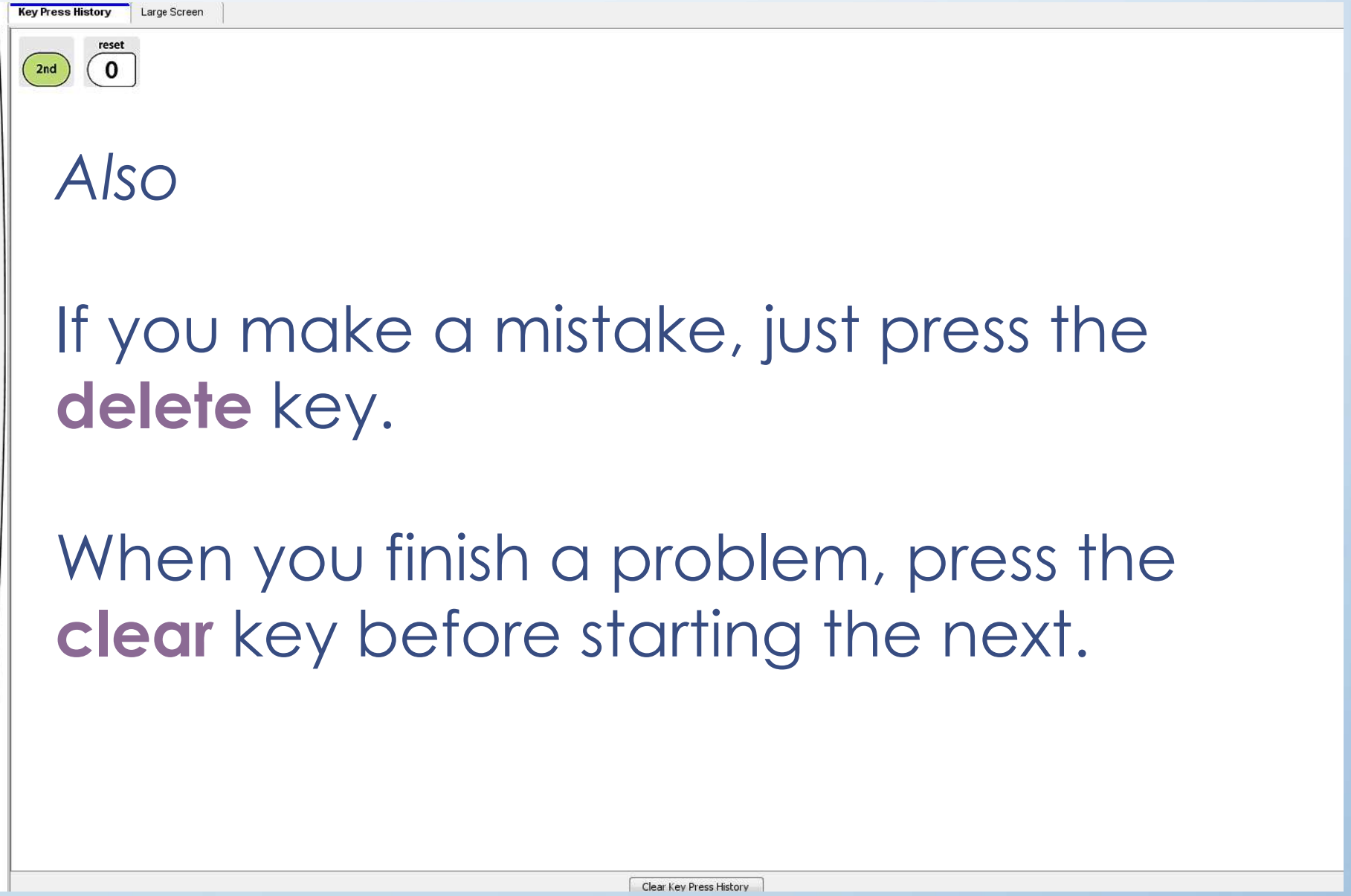


Note: You can clear memory by pressing **on** and **clear** at the same time, BUT this method will not reset the mode of the calculator.

SO…

If your calculator is acting funny, try using the method you just learned.





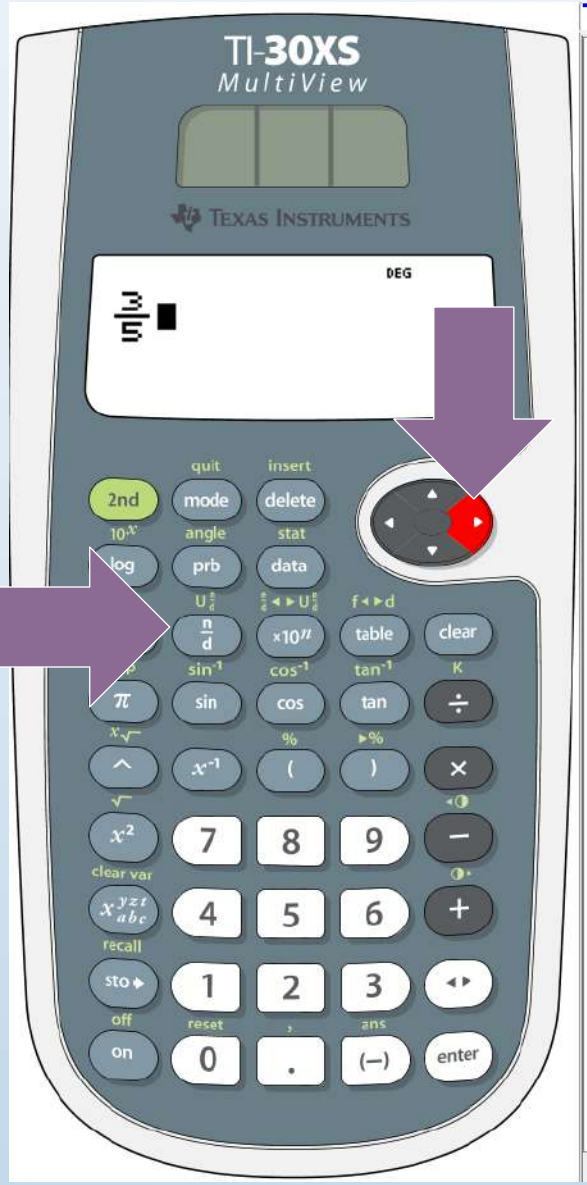
Also

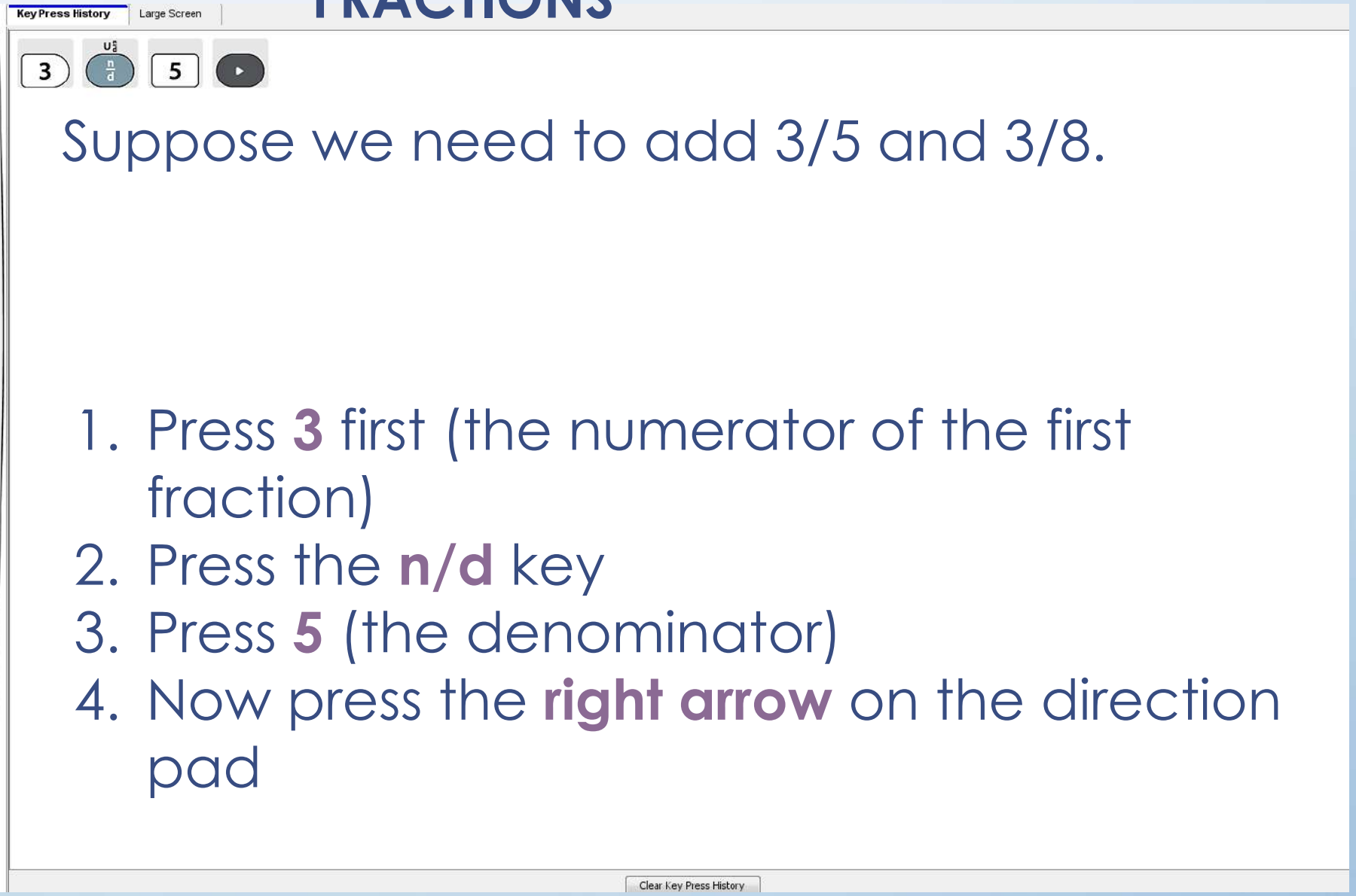
If you make a mistake, just press the **delete** key.

When you finish a problem, press the **clear** key before starting the next.

Fractions

FRACTIONS

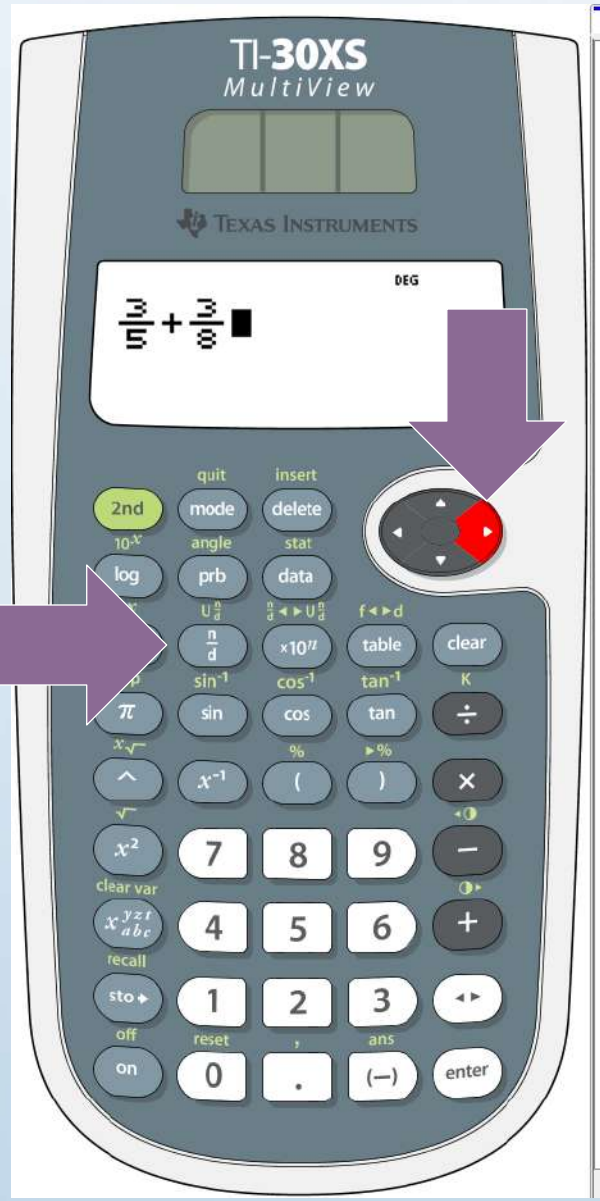


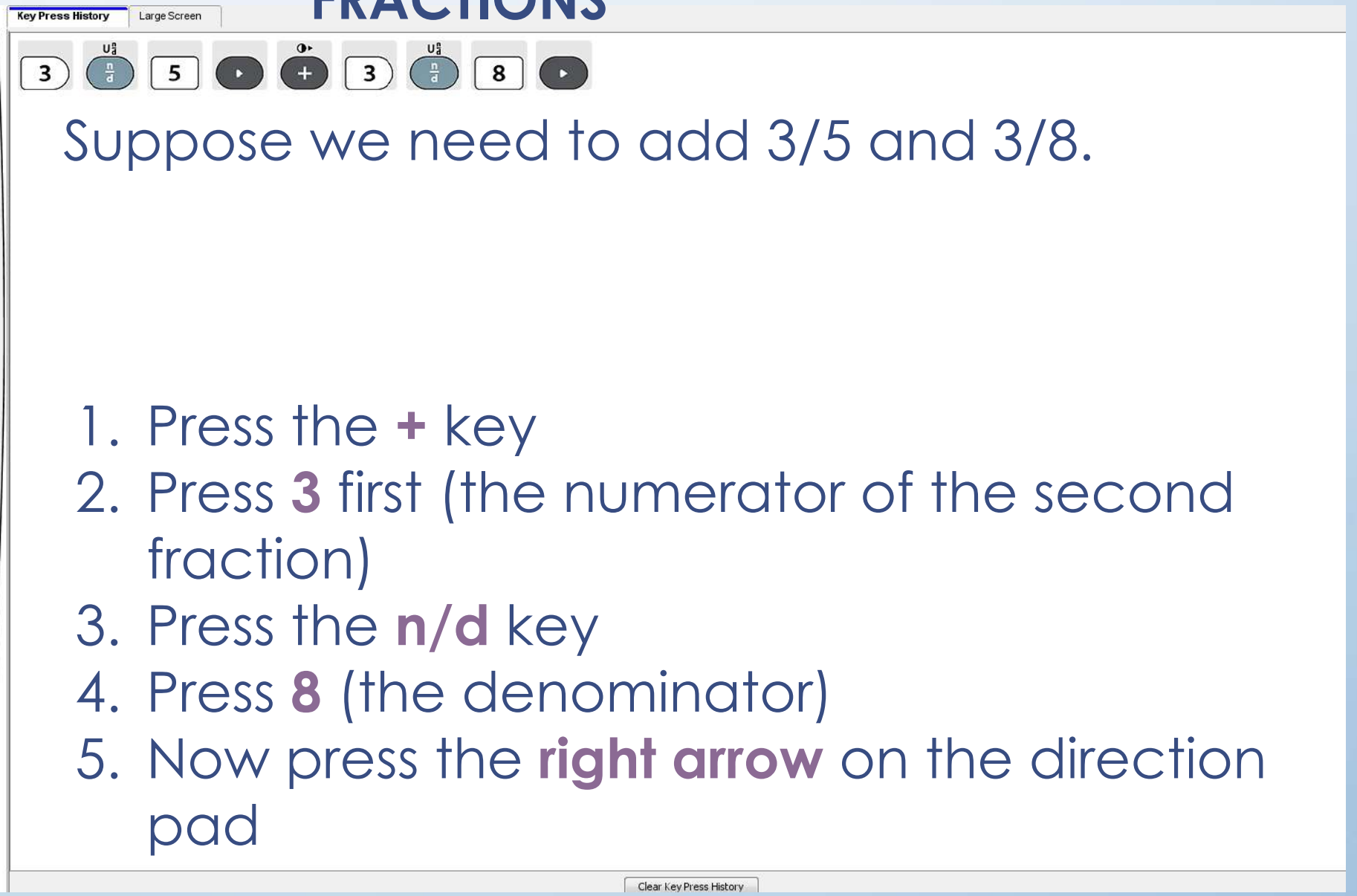


Suppose we need to add 3/5 and 3/8.

1. Press **3** first (the numerator of the first fraction)
2. Press the **n/d** key
3. Press **5** (the denominator)
4. Now press the **right arrow** on the direction pad

FRACTIONS

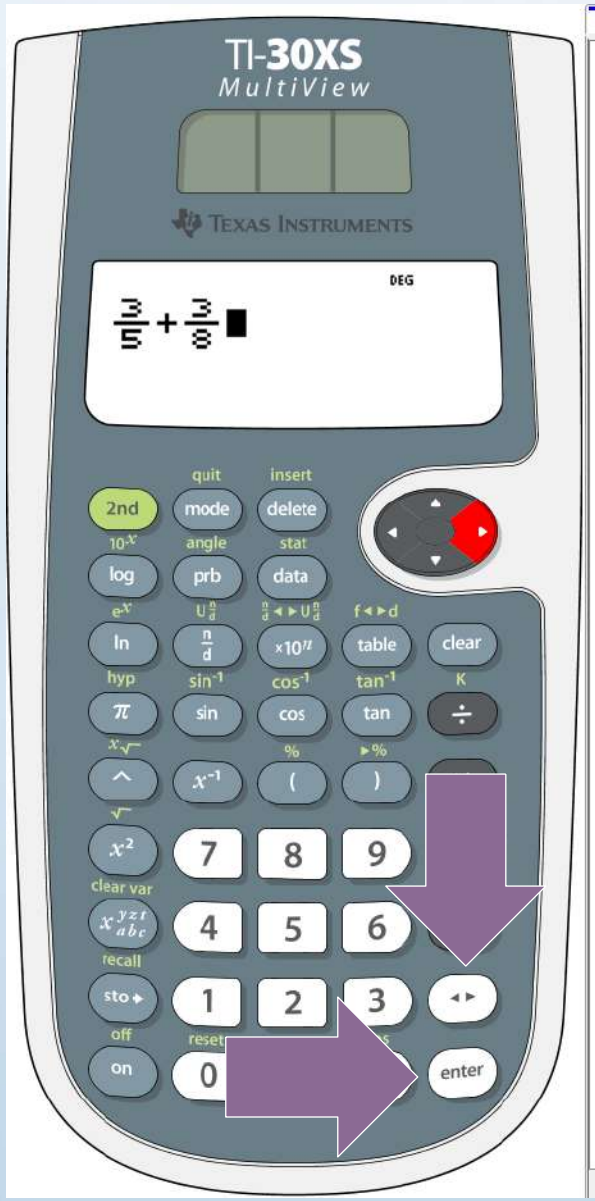


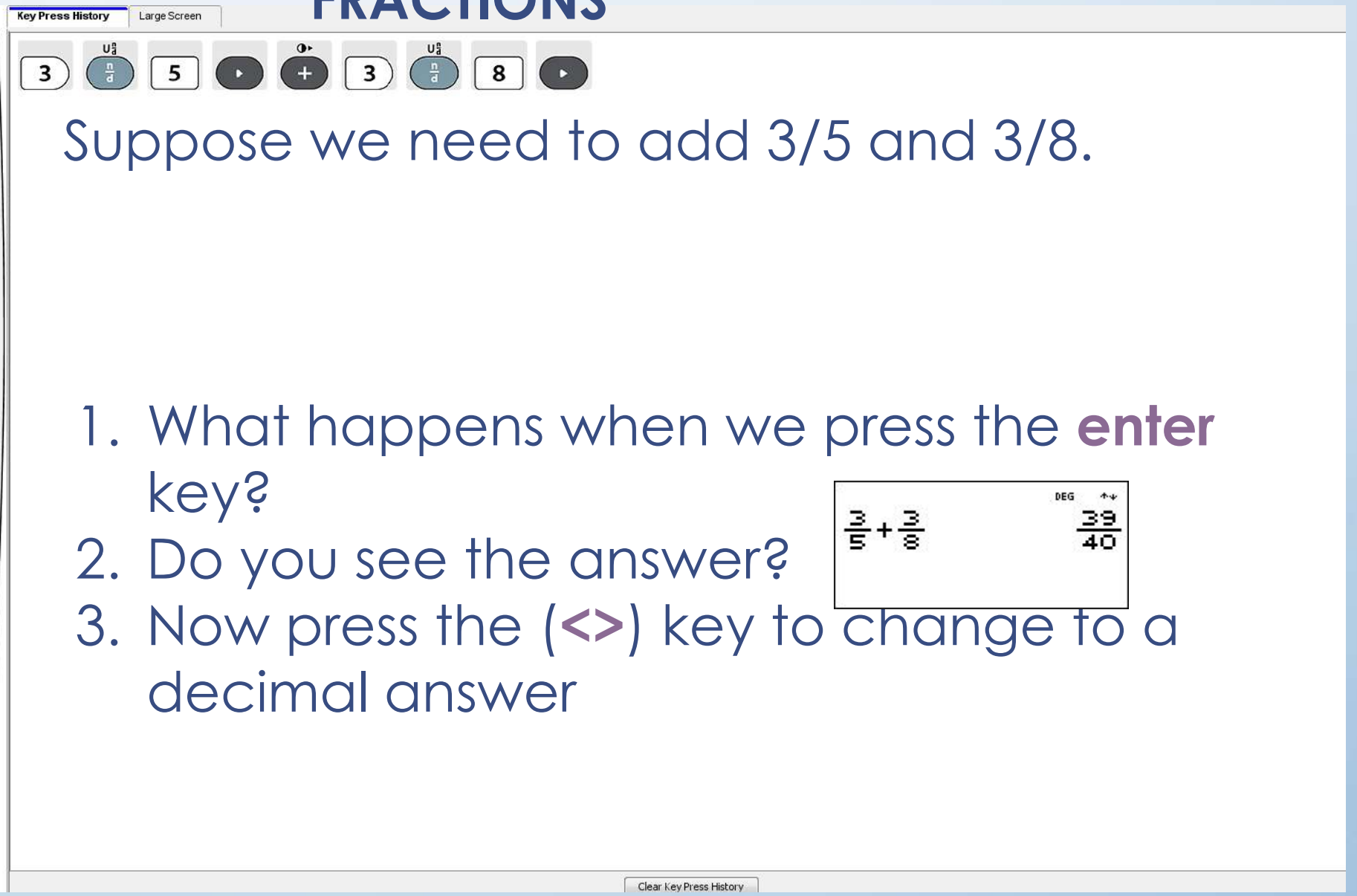


Suppose we need to add 3/5 and 3/8.

1. Press the **+** key
2. Press **3** first (the numerator of the second fraction)
3. Press the **n/d** key
4. Press **8** (the denominator)
5. Now press the **right arrow** on the direction pad

FRACTIONS

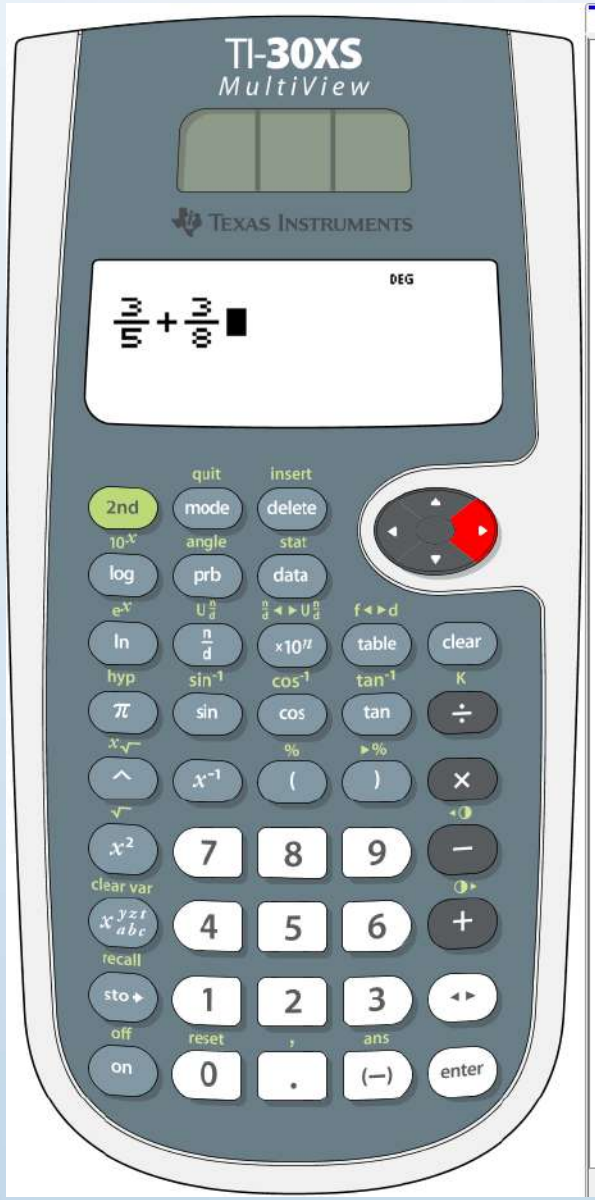


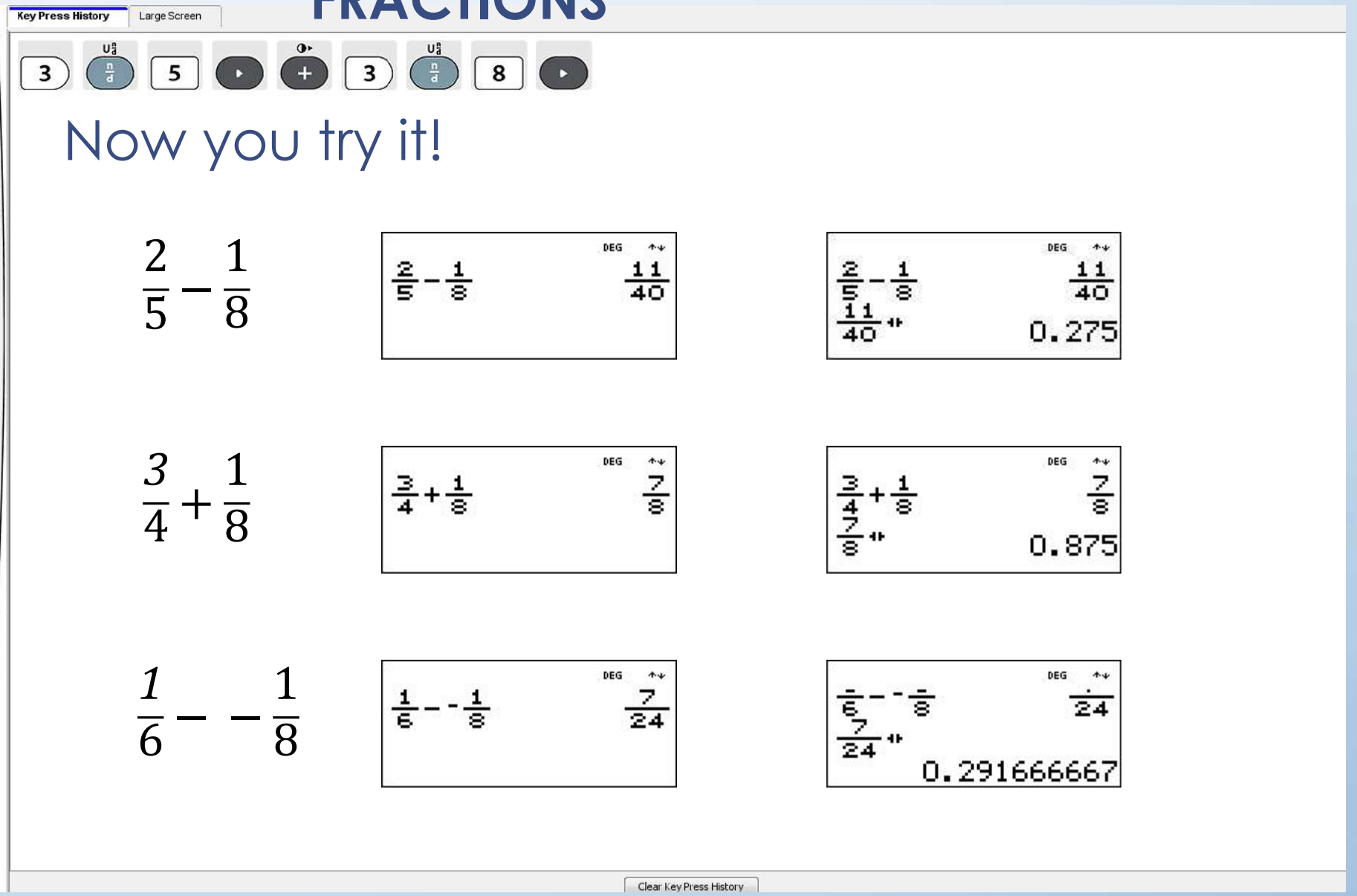


Suppose we need to add 3/5 and 3/8.

1. What happens when we press the **enter** key?
2. Do you see the answer?
3. Now press the (**<>**) key to change to a decimal answer

FRACTIONS





Now you try it!

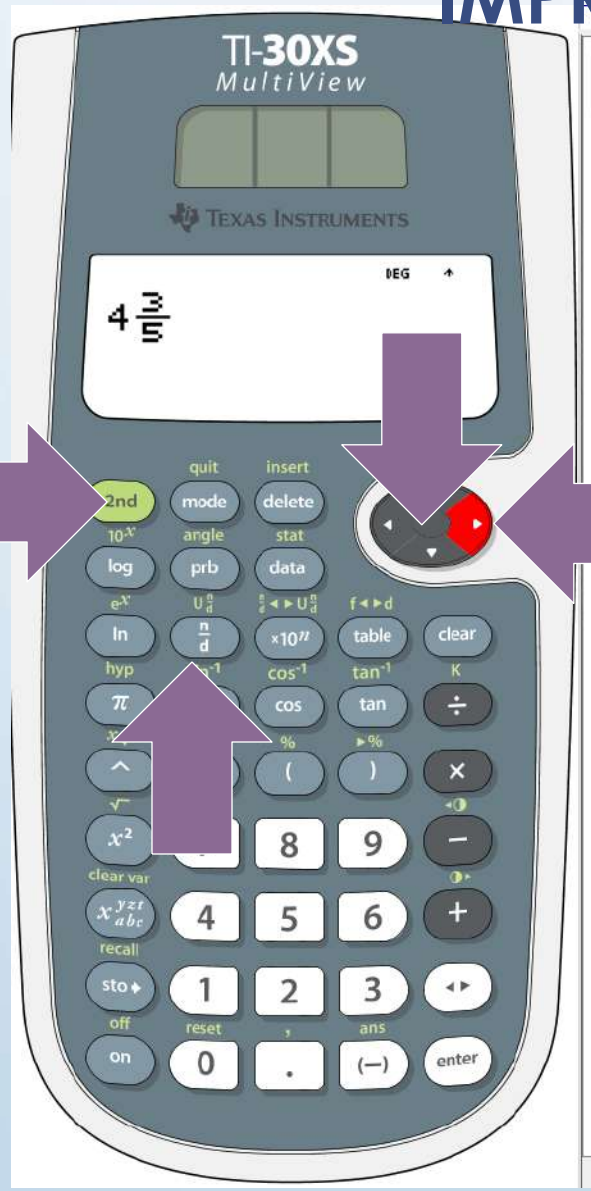
$$\frac{2}{5} - \frac{1}{8}$$

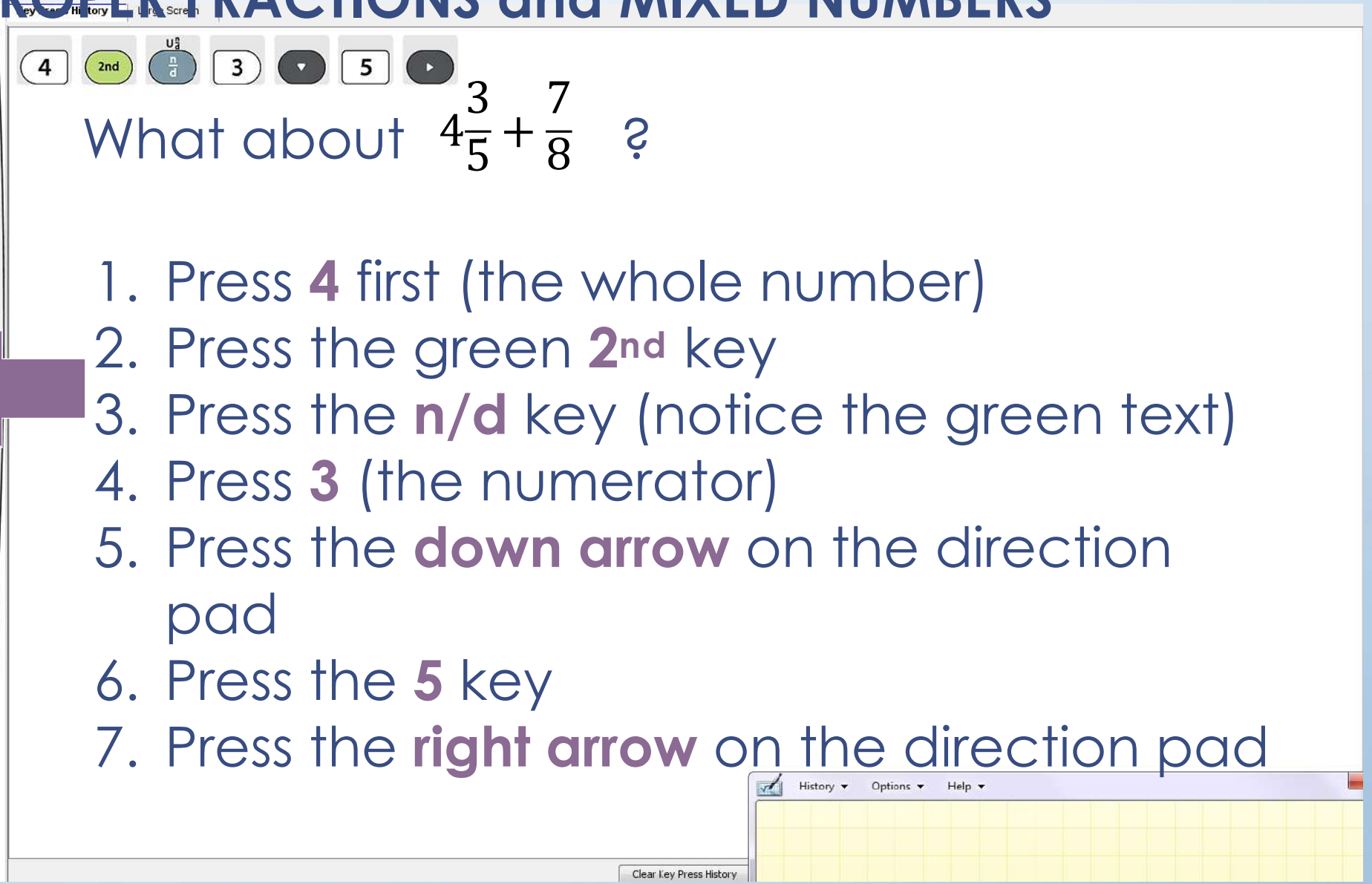
$$\frac{3}{4} + \frac{1}{8}$$

$$\frac{1}{6} - -\frac{1}{8}$$

Improper Fractions and Mixed Numbers

IMPROPER FRACTIONS and MIXED NUMBERS

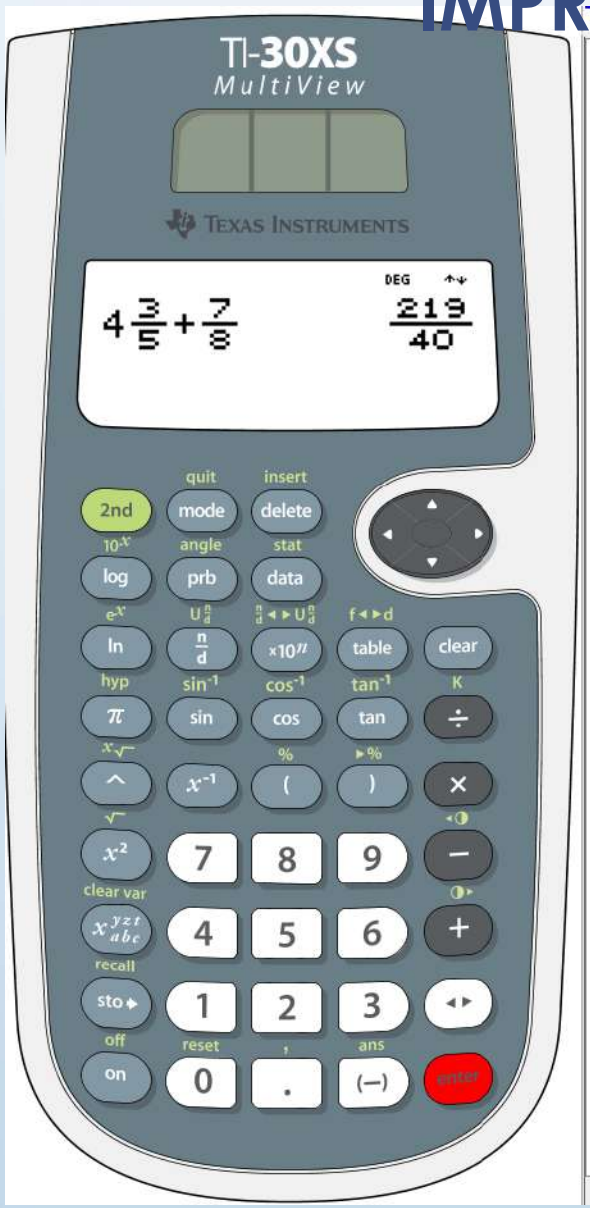


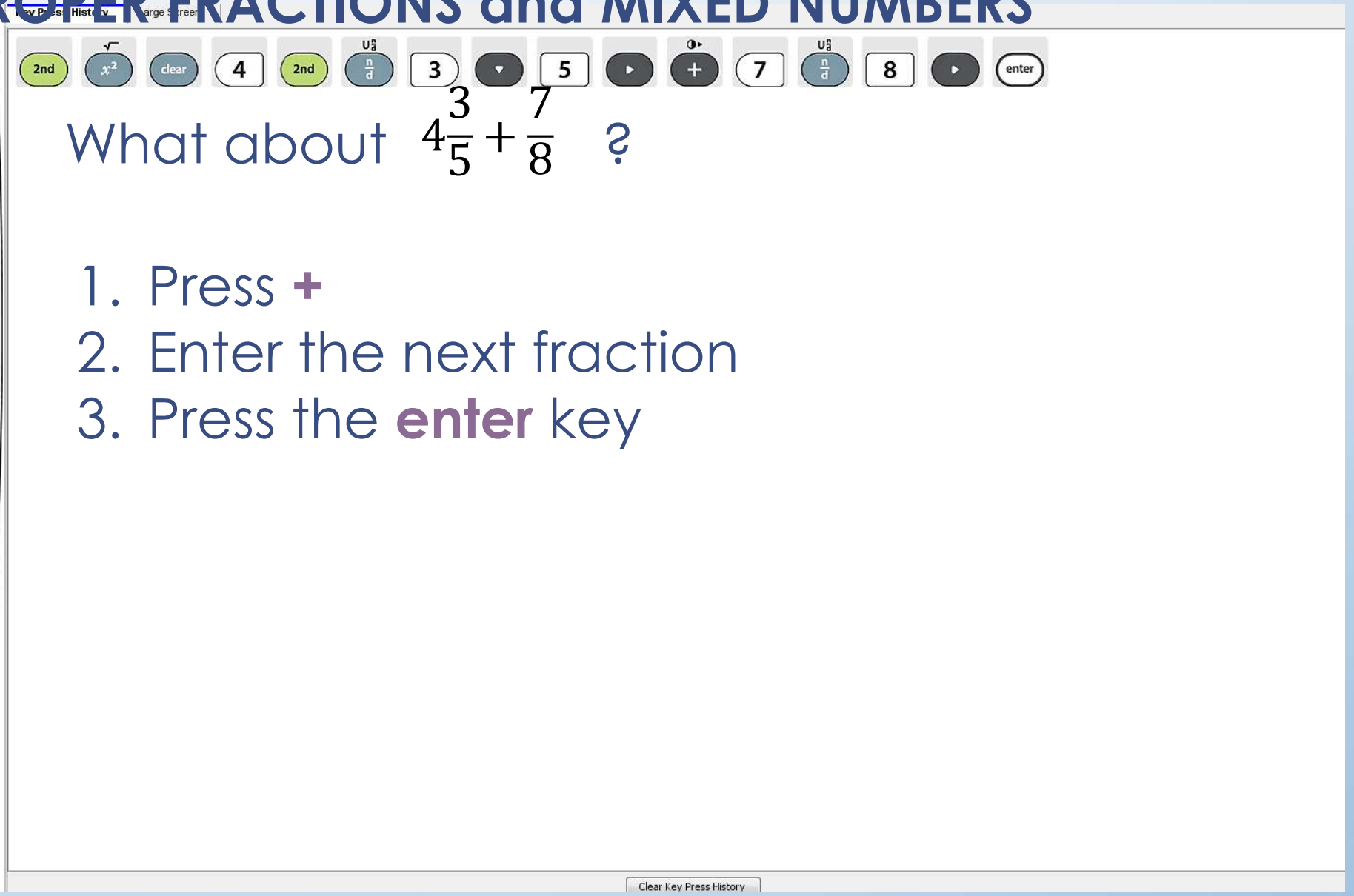


What about $4\frac{3}{5} + \frac{7}{8}$?

1. Press **4** first (the whole number)
2. Press the green **2nd** key
3. Press the **n/d** key (notice the green text)
4. Press **3** (the numerator)
5. Press the **down arrow** on the direction pad
6. Press the **5** key
7. Press the **right arrow** on the direction pad

IMPROPER FRACTIONS and MIXED NUMBERS

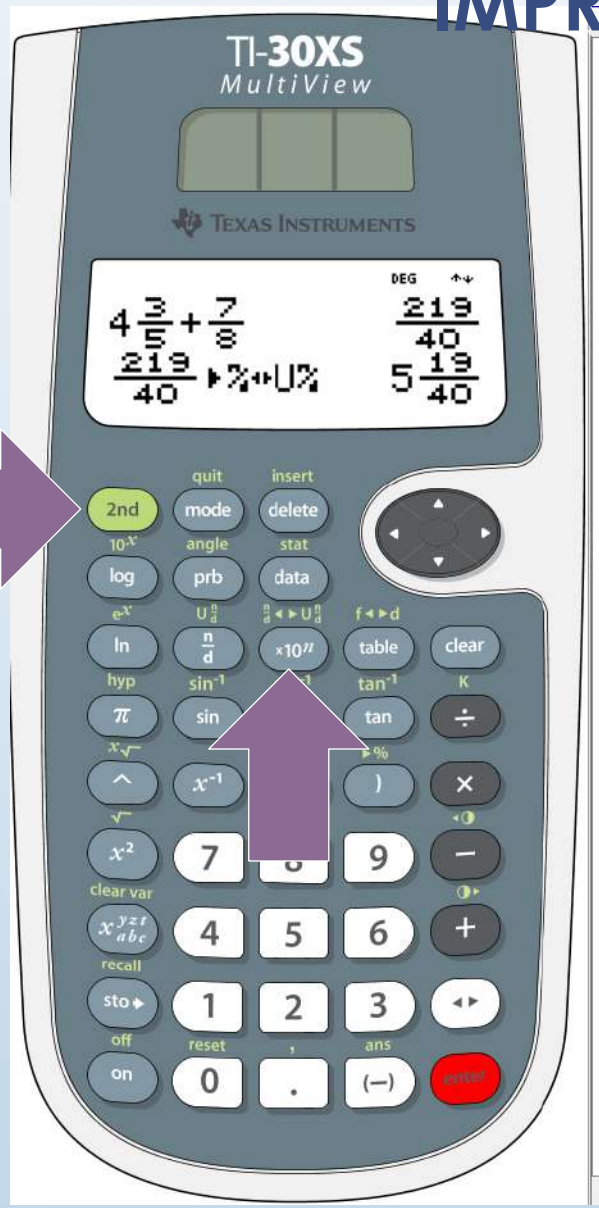


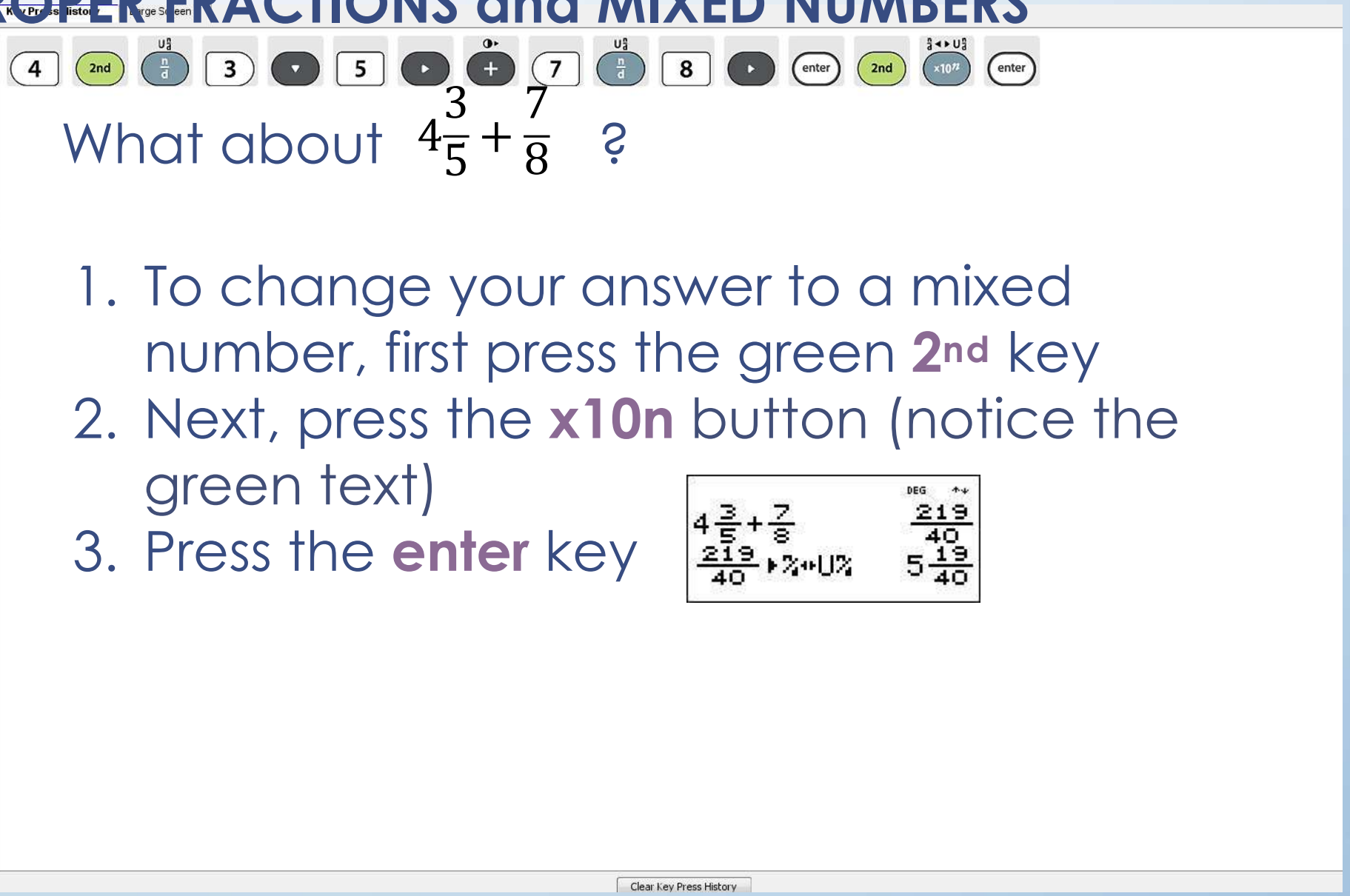


What about $4\frac{3}{5}+\frac{7}{8}$?

1. Press **+**
2. Enter the next fraction
3. Press the **enter** key

IMPROPER FRACTIONS and MIXED NUMBERS

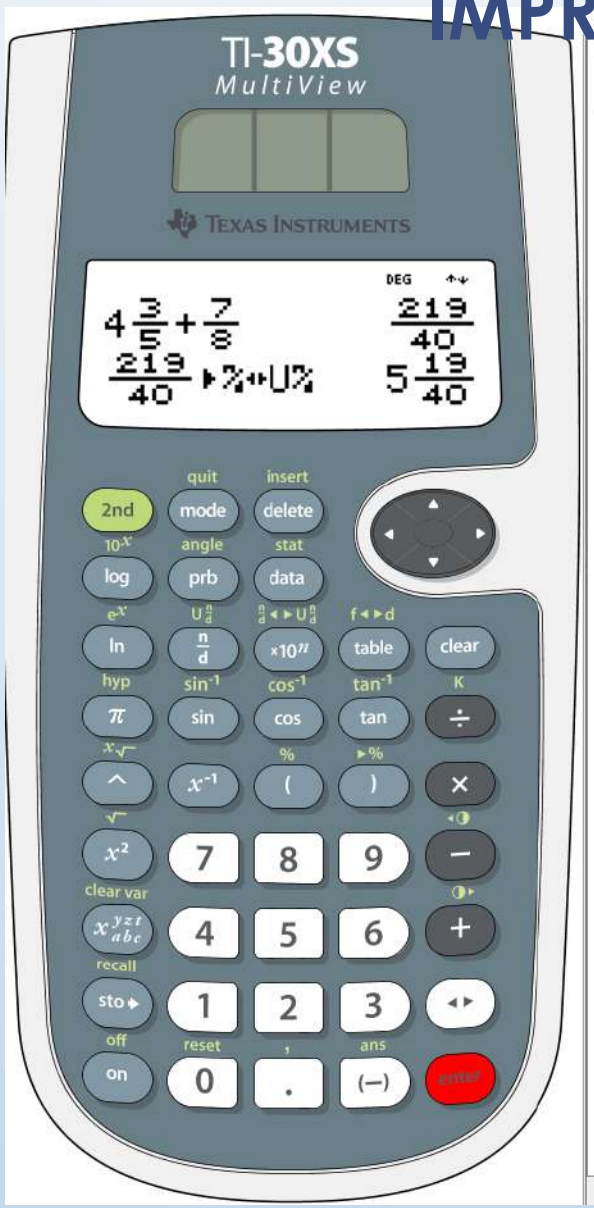


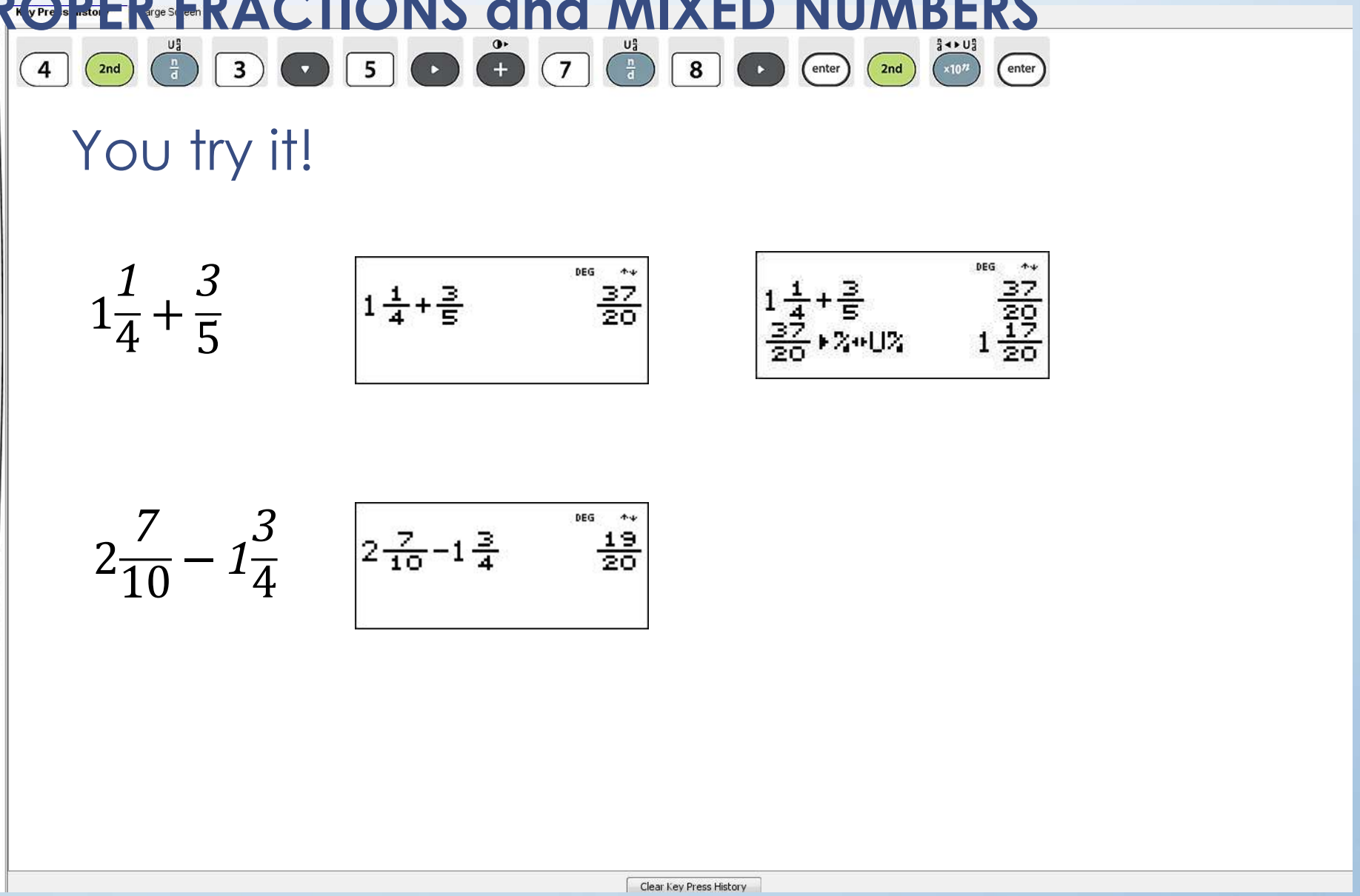


What about $4\frac{3}{5} + \frac{7}{8}$?

1. To change your answer to a mixed number, first press the green **2nd** key
2. Next, press the **x10n** button (notice the green text)
3. Press the **enter** key

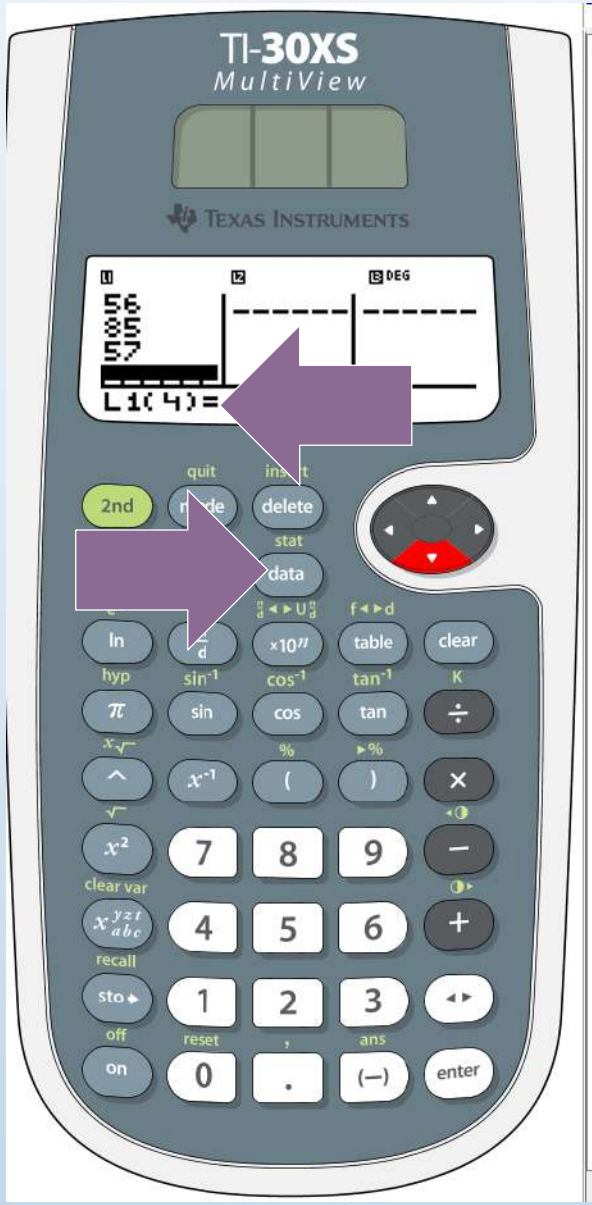
IMPROPER FRACTIONS and MIXED NUMBERS

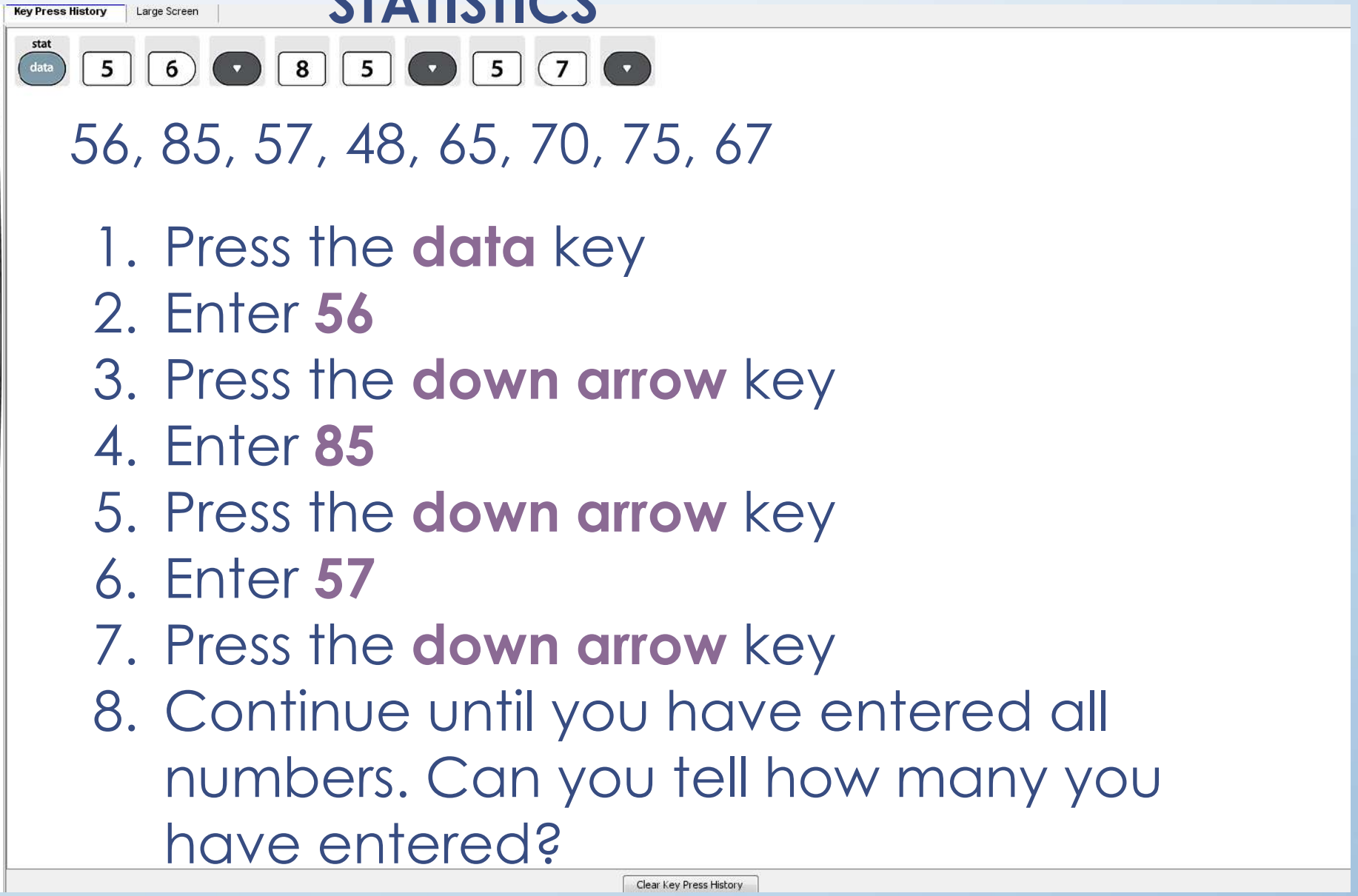




Statistics

STATISTICS

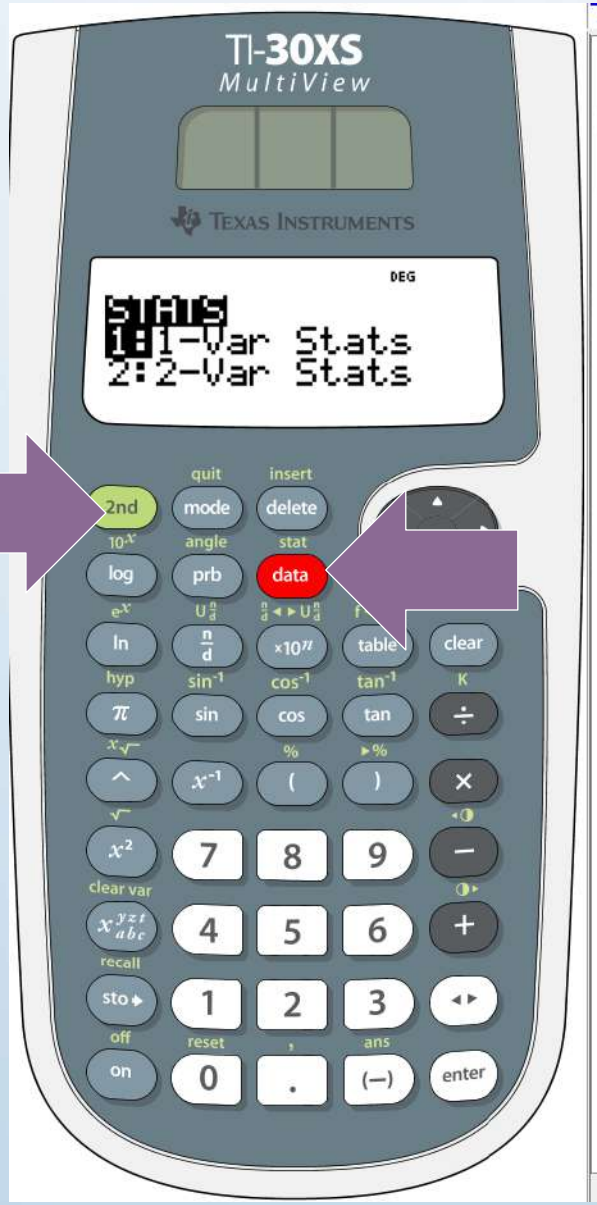


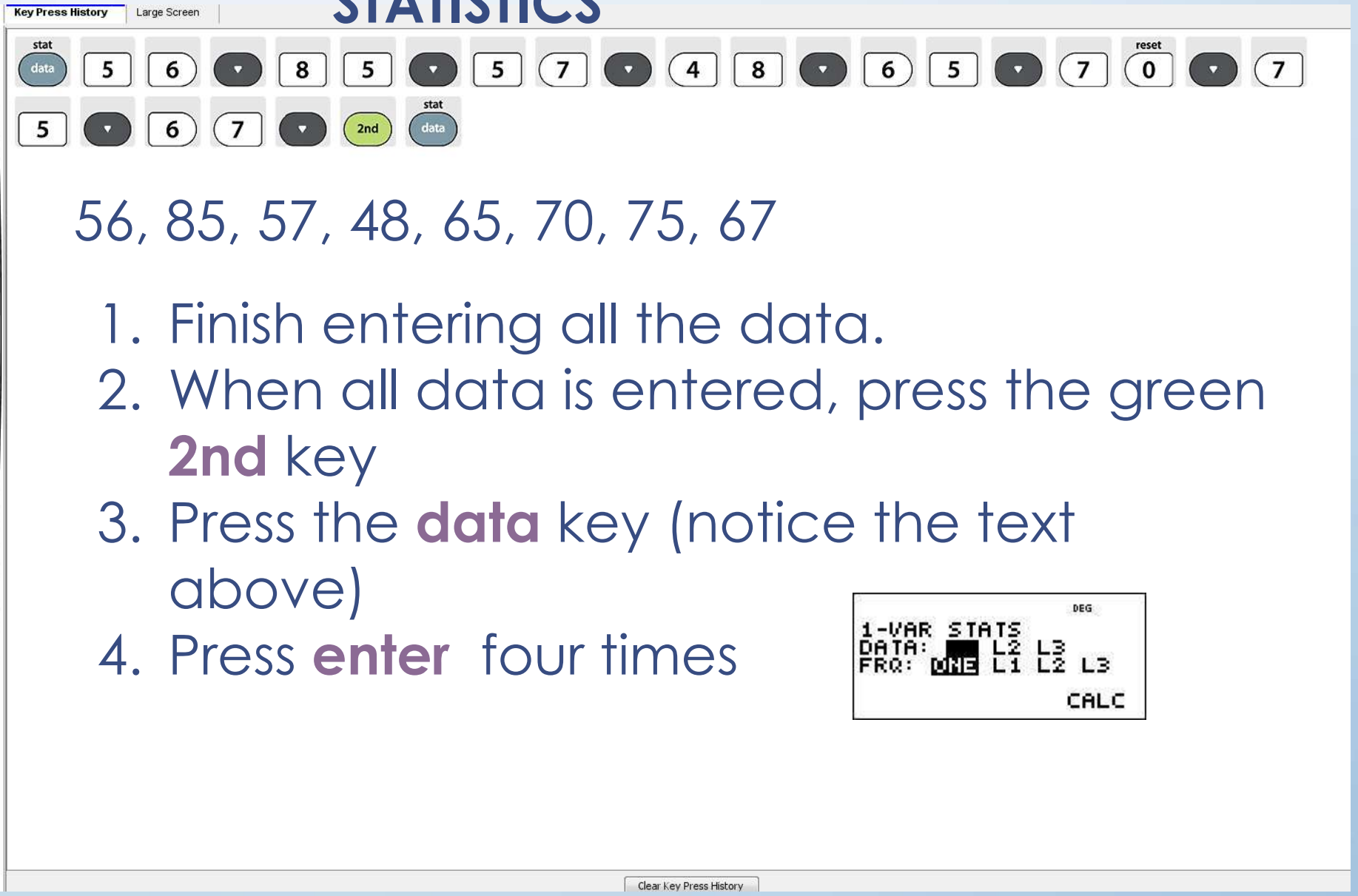


56, 85, 57, 48, 65, 70, 75, 67

1. Press the **data** key
2. Enter **56**
3. Press the **down arrow** key
4. Enter **85**
5. Press the **down arrow** key
6. Enter **57**
7. Press the **down arrow** key
8. Continue until you have entered all numbers. Can you tell how many you have entered?

STATISTICS

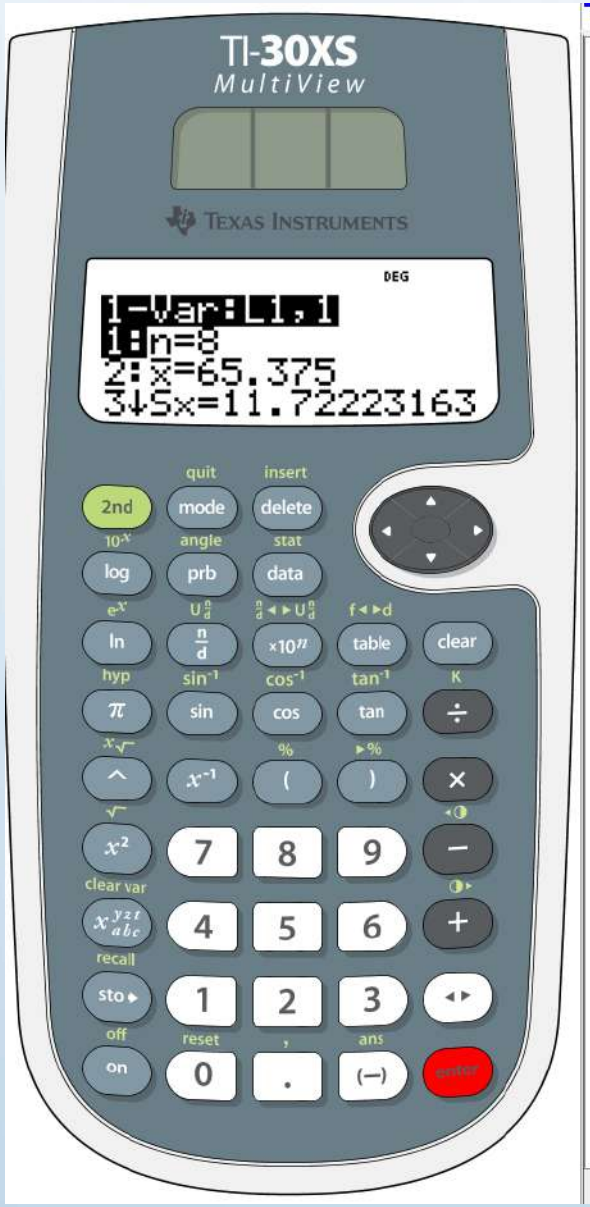


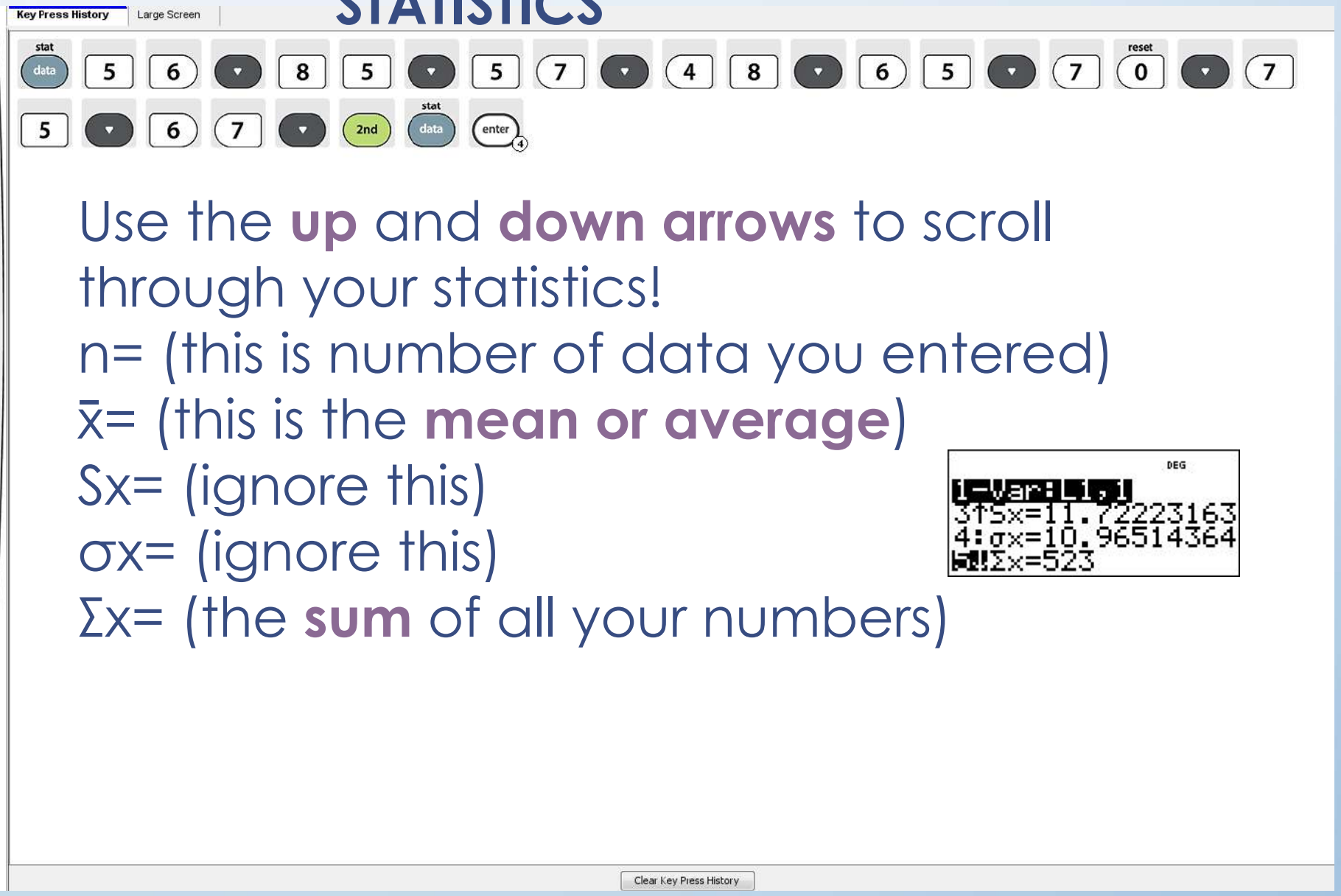


56, 85, 57, 48, 65, 70, 75, 67

1. Finish entering all the data.
2. When all data is entered, press the green **2nd** key
3. Press the **data** key (notice the text above)
4. Press **enter** four times

STATISTICS





Use the **up** and **down arrows** to scroll through your statistics!

n= (this is number of data you entered)

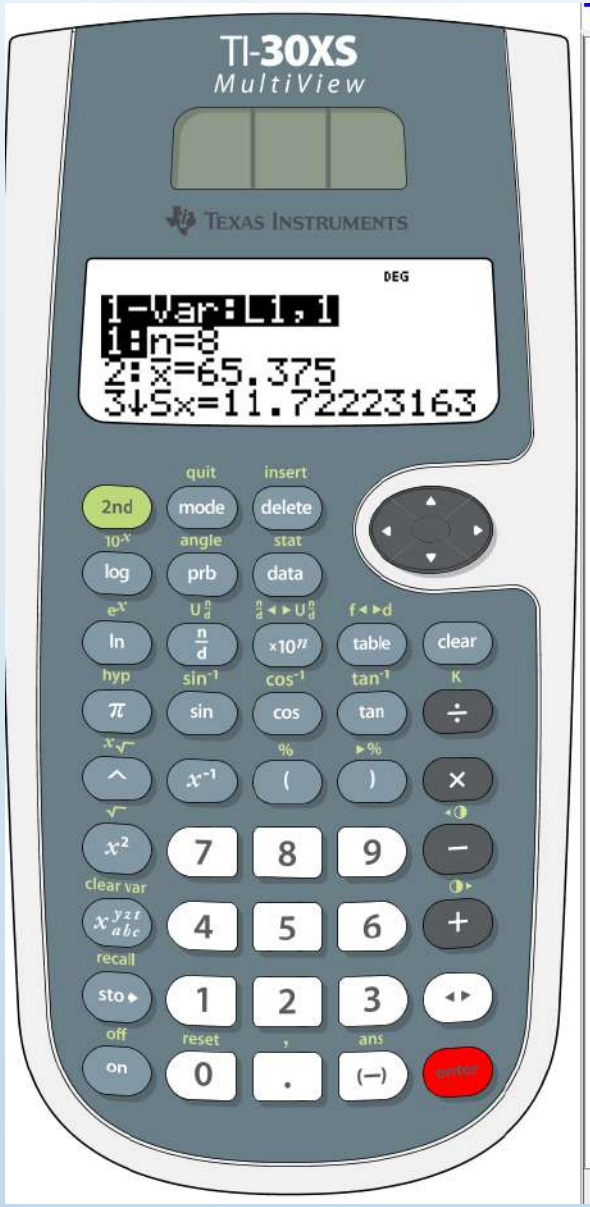
x̄= (this is the **mean or average**)

Sx= (ignore this)

σx= (ignore this)

Σx= (the **sum** of all your numbers)

STATISTICS



Use the **up** and **down arrows** to scroll through your statistics!

FIVE NUMBER SUMMARY FOR BOX AND WHISKER PLOTS!

minX= (the **least value**)

Q1= (the **lower quartile**)

Med= (the **median**)

Q3= (the **upper quartile**)

maxX= (the **greatest value**)

- Make sure you clear all of your data before starting a new problem.
- Do you remember how?
- If not, ask now!

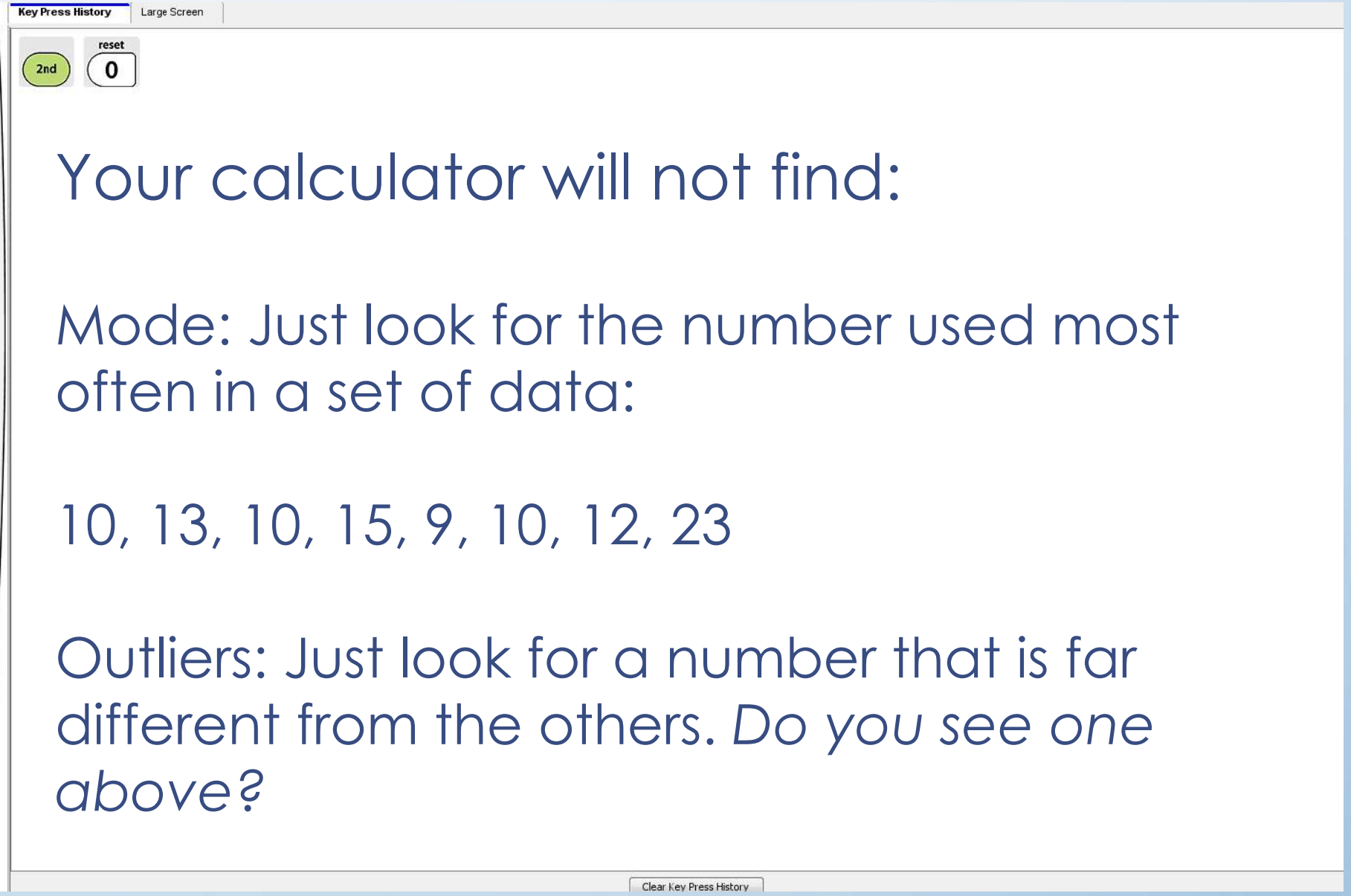
Special Notes

SPECIAL NOTES

Some buttons work differently than similar buttons on other calculators you have used.

- Use this button BEFORE you enter the number. *On other calculators, you enter the number, then press +/-.*

- Roots: press then BEFORE you enter the number for which you want to find the square root. *On other calculators, you enter the number first, then press a square root button.*

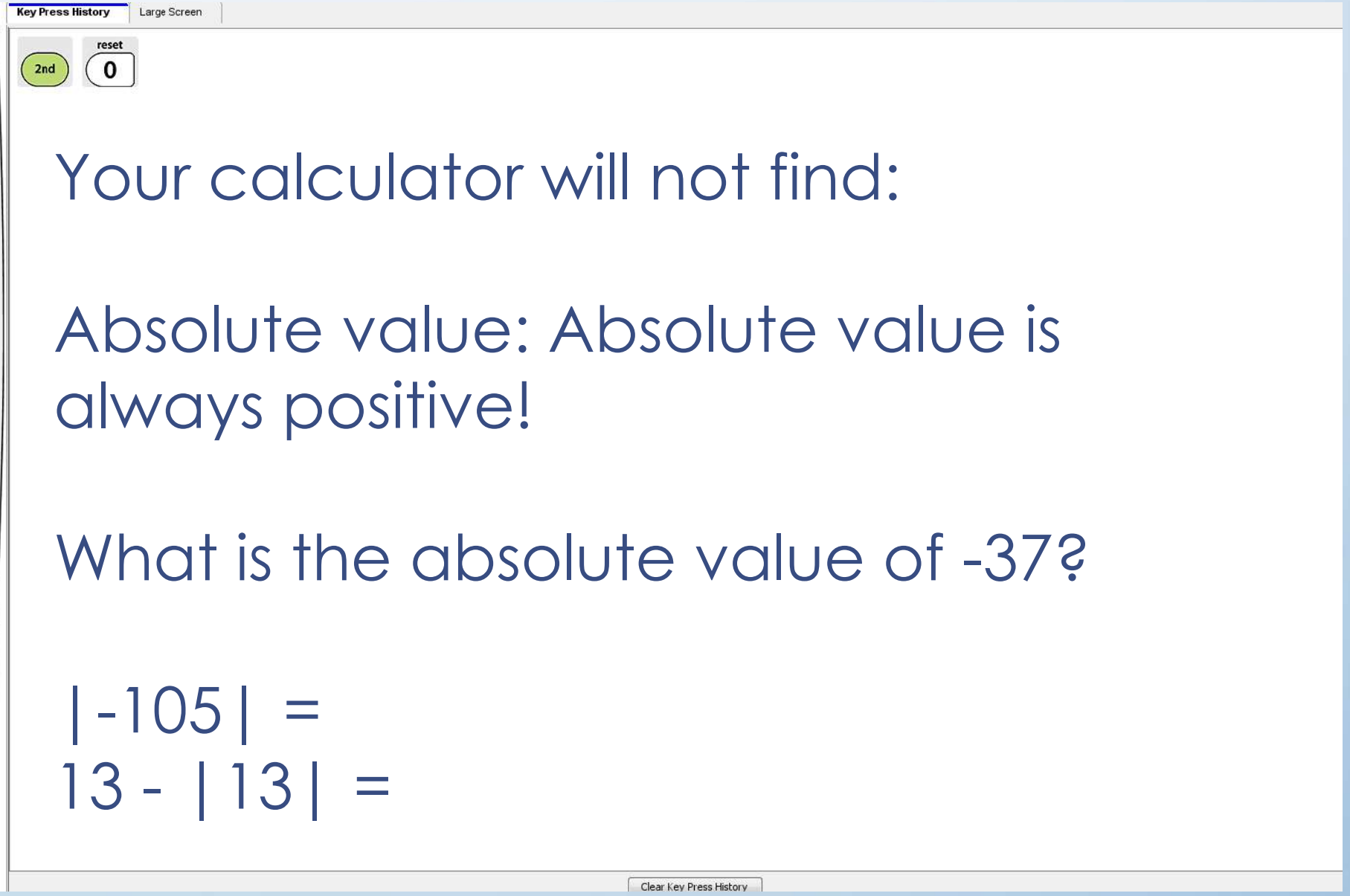


Your calculator will not find:

Mode: Just look for the number used most often in a set of data:

10, 13, 10, 15, 9, 10, 12, 23

Outliers: Just look for a number that is far different from the others. *Do you see one above?*



Your calculator will not find:

Absolute value: Absolute value is always positive!

What is the absolute value of -37?

$|-105| =$

$13 - |13| =$