

Fractions

This activity will challenge you to look at numbers in various formats. Use the TI-73 Explorer™ to reinforce what your students have learned about the relationship between fractions, decimals, and percents.



Engage

Set calculator to manual simplification.

1. Press **[MODE]** and select the following items: Normal, Float, Degree, A_b/c, ManSimp (see screen shot below)
3. To select, highlight the word using the arrow keys and press **[ENTER]**
3. Press **[2nd]** **[QUIT]** to return to the Home screen

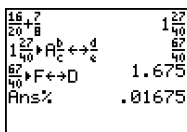
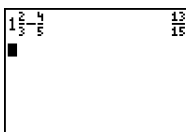
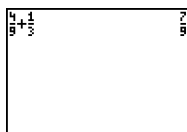
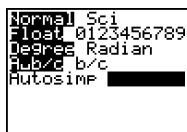
Explore

Adding Fractions $4/9 + 1/3$

1. To enter a fraction in stacked format, enter the numerator **[4]**, then press **[b/c]** and **[9]** the denominator
2. To add another fraction to what you have entered, press **[+]** and select **[+]**
3. Type in $1/3$ and press **[ENTER]**

Subtracting Mixed Numbers $1\ 2/3 - 4/5$

1. If you have a mixed number, type in the whole number **[1]** and press **[UNIT]**
2. Type in the numerator **[2]**, press **[b/c]**, and enter the denominator **[3]** **[+]**
3. Select the **[−]** and then press **[4]** **[b/c]** **[5]** **[ENTER]**



Continued on back

Fractions

Extend

Improper Fractions

Add $16/20$ and $7/8$

1. Change the fraction from an improper fraction to a mixed number or a mixed number to an improper fraction using the $\frac{a}{b} \leftrightarrow \frac{c}{d}$

Fractions, Decimals, and Percents

2. Change the fraction to a decimal using the $F \leftrightarrow D$
3. Format the answer as a percent by pressing $\%$

