


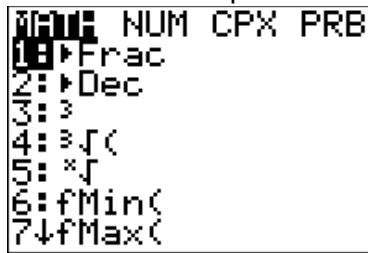
Converting Decimals to Fractions (Basic) ClassicView



Objectives:


- Use MATH > Frac to convert a rational number from decimal to fraction
- Convert a previous result from decimal to fraction

Use MATH > Frac to convert a rational number from decimal to fraction

Press  to open a screen with four menus. You are automatically in the highlighted MATH menu.





Pressing   will select option 1, > FRAC.

Press  again to look up the fraction.












IMPORTANT: The calculator is not doing a calculation, but looking up the decimal in a database.

Example 1: Convert .75 to a fraction.

Press these buttons:      

See this screen:

Example 2: Calculate and convert to fraction as one entry: $\frac{2}{3} + \frac{7}{11}$

Press these buttons:           

See this screen:

Convert a previous result from decimal to fraction

Example 3: Calculate without converting to fraction: $\frac{1}{2} + \frac{5}{6}$

Press these buttons:        

See this screen:

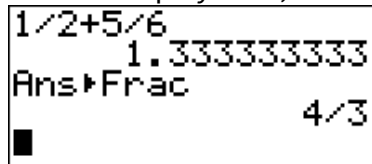
Example 4: Continue previous calculation and convert to fraction:

test A entry solve entry solve



Without pressing anything else first, press these buttons:

NOTICE: The calculator displays Ans, which means “previous answer”.



See this screen:

REMEMBER: Your calculator knows and uses the correct order of operations.

Try It!

Calculate and write answer as fraction or an integer, not a decimal.

1) $\frac{1}{3} + \frac{7}{8} \left(\frac{5}{6} - \frac{1}{9} \right)$

4) $\frac{\frac{1}{5} - \frac{2}{7}}{\frac{5}{4} + \frac{3}{8}}$

6) $\frac{2}{3} - 7.25 + \frac{4}{5}(9)$

9) $\frac{4(-5+2)}{3} - \frac{-5(3-8)}{6-(-7)}$

2) $3 \left(\frac{5}{7} - \frac{1}{3} \cdot \frac{8}{9} \right)$

5) $\left(\frac{4}{9} \right)^2 - \left(\frac{2}{5} \right)^2$

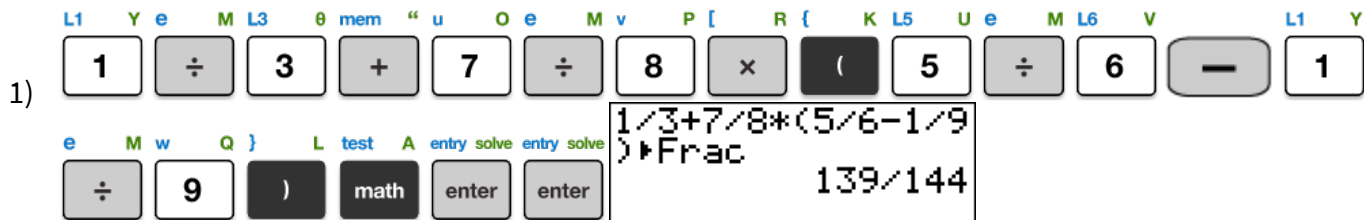
7) $\frac{4^2}{9} - \frac{2^3}{5}$

10) $\frac{\frac{1}{4} \cdot 15 - 3}{7 + \frac{1}{3} \cdot 8}$

3) $0.002 - 75(0.025)$

8) $\frac{316}{79} \cdot \frac{367}{2213} + \frac{743}{2213}$

Solutions



2) $3 \left(\frac{5}{7} - \frac{1}{3} \cdot \frac{8}{9} \right) \rightarrow \text{Frac}$
79/63

5) $\left(\frac{4}{9} \right)^2 - \left(\frac{2}{5} \right)^2 \rightarrow \text{Frac}$
76/2025

8) $\frac{316}{79} \cdot \frac{367}{2213} + \frac{743}{2213} \rightarrow \text{Frac}$
2211/2213

3) $0.002 - 75 \cdot 0.025 \rightarrow \text{Frac}$
-1873/1000

6) $\frac{2}{3} - 7.25 + \frac{4}{5} \cdot 9 \rightarrow \text{Frac}$
37/60

9) $\frac{4(-5+2)}{3} - \frac{-5(3-8)}{6-(-7)} \rightarrow \text{Frac}$
-77/13

4) $\frac{(1/5 - 2/7) / (5/4 + 3/8)}{8} \rightarrow \text{Frac}$
-24/455

7) $\frac{4^2}{9} - \frac{2^3}{5} \rightarrow \text{Frac}$
8/45

10) $\frac{(1/4 \cdot 15 - 3) / (7 + 1/3 \cdot 8)}{7} \rightarrow \text{Frac}$
9/116