

Lesson #12

Fractions and Mixed Numbers

The TI-84 does not have a fraction key. To enter a fraction into the calculator the division key needs to be used. To enter the fraction $\frac{3}{4}$, press 3 / 4 and press enter to see the decimal equivalent. To enter the mixed number $3\frac{1}{2}$, press 3 + 1 / 2 and press enter to see the decimal equivalent. For complicated expressions that contain multiple fractions, using parenthesis to group each fraction will guarantee correct calculations.

Set 1 – Evaluate each expression. Use parenthesis around all fractions. Express each answer as it appears on the graphing calculator screen.

LP#1 $\frac{2}{3} + \frac{3}{5}$	$\frac{11}{6} \times \frac{3}{2}$	$\frac{13}{5} - \frac{12}{7}$	$\frac{3}{10} \div \frac{1}{6}$
LP#2 $3\frac{2}{5} + 1\frac{1}{7}$	$-5\frac{1}{3} - 2\frac{4}{5}$	$\frac{1}{2} + \frac{1}{4} + \frac{3}{8}$	$12\frac{3}{4} \times 8\frac{2}{3}$
R#1 $\frac{1}{4} - \frac{5}{8}$	$\frac{8}{11} + \frac{3}{4}$	$1\frac{5}{7} \times \frac{3}{2}$	$\frac{5}{8} + 2\frac{1}{6}$
R#2 $\frac{7}{4} + \frac{9}{2}$	$\frac{1}{2} \times \frac{1}{8}$	$-3\frac{8}{9} \div 1\frac{4}{9}$	$12\frac{7}{8} \div 1\frac{5}{8}$
R#3 $\frac{7}{8} - \frac{2}{3}$	$\frac{1}{3} \div \frac{8}{7}$	$\frac{2}{5} + \frac{2}{3} - \frac{4}{7}$	$6\frac{3}{4} \times 2\frac{2}{3}$