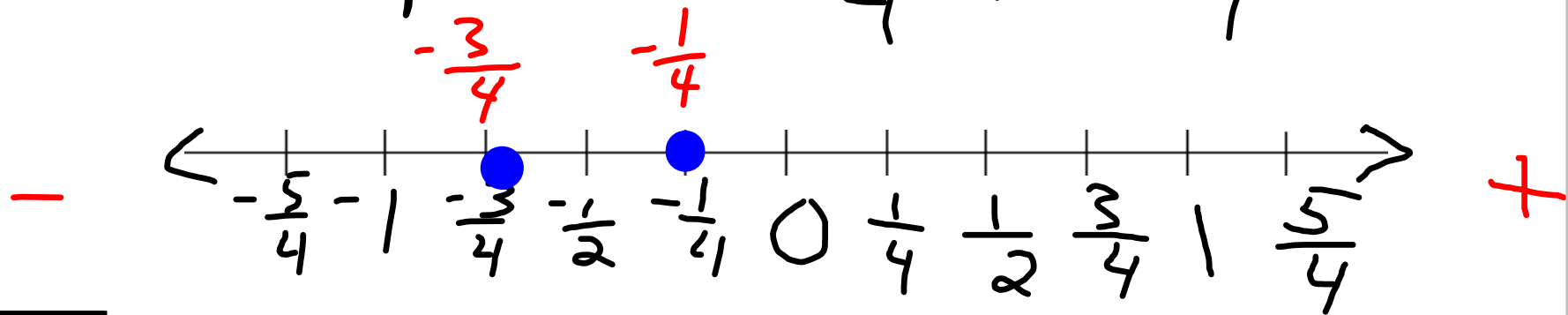


2.8. Fractions + Decimals

Nov. 17, 2006

Compare $-\frac{3}{4}$ and $-\frac{1}{4}$



$$-\frac{1}{4} > -\frac{3}{4}$$

$$-\frac{3}{4} < -\frac{1}{4}$$

No Calc. Compare: $-\frac{7}{12}$ & $-\frac{5}{9}$

$$\begin{array}{r} \textcircled{-7.3} \\ \hline 36 \\ (12 \cdot 3) \end{array} \quad \begin{array}{r} \textcircled{-5.4} \\ \hline 36 \\ (9 \cdot 4) \end{array}$$

$$\frac{-21}{36} < \frac{-20}{36} \text{ so... } \underline{\underline{-\frac{7}{12} < -\frac{5}{9}}}$$

Least Common Denominator (LCD)

The smallest number
that the Denominators
will go into!

Add:

$$\frac{3}{5} + \frac{3}{4}$$

$$= \frac{3 \cdot 4}{20} + \frac{3 \cdot 5}{20}$$

(5 · 4) (4 · 5)

$$= \frac{12}{20} + \frac{15}{20} = \frac{27}{20}$$

When we Add or
Subt. Frac. we
always Need a
LCD

least Common Denom.

If you
can, Reduce

Multi:

$$\left(-\frac{2}{3}\right) \left(2\frac{4}{5}\right)$$

$$\left(\frac{-2}{3}\right) \left(\frac{14}{5}\right) = \frac{-28}{15}$$

Multi Fracs.
Good

Multi. Fract

Mix #,
Bad

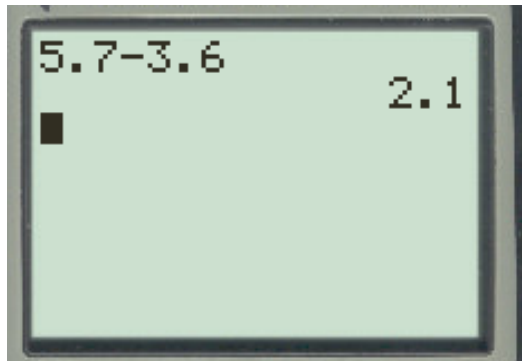
Change the
Mix # to
a Frac.

Because...
we multi.
Straight
across!

Decimals

$$5.7 - 3.6$$

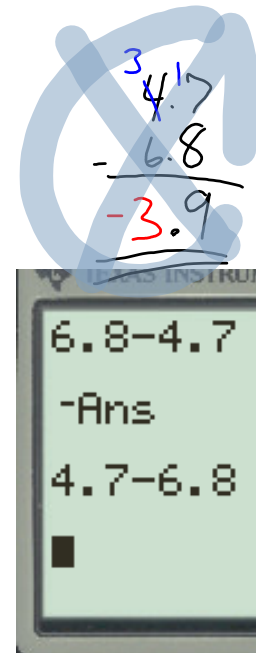
$$\begin{array}{r} 5.7 \\ - 3.6 \\ \hline 2.1 \\ \hline \hline \end{array}$$



$$4.7 - 6.8$$

$$\begin{array}{r} 6.8 \\ - 4.7 \\ \hline -2.1 \\ \hline \hline \end{array}$$

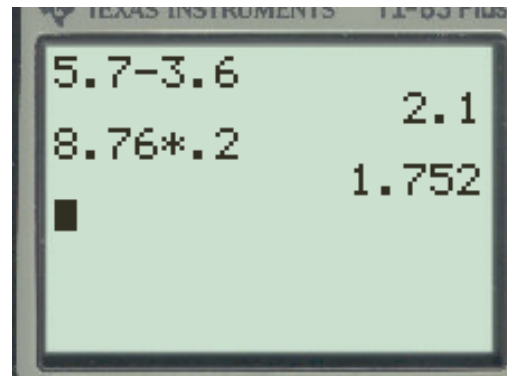
- ~~A: 2.1~~
- B: -2.1
- ~~C: 3.9~~
- D: -3.9



Multi.

$$8.76 \otimes .2$$

$$\begin{array}{r} 8.\underline{7}\underline{6} \\ \otimes \underline{.2} \\ \hline \underline{1.752} \end{array}$$



Divid.

Long Division

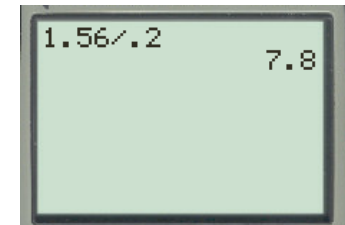
$$1.56 \div .2$$

$$\begin{array}{r} 1.56 \\ \cdot 2 \\ \hline .78 \end{array}$$

$$\begin{array}{r} 7.8 \\ 2 \overline{) 15.6} \\ \underline{- 14} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

$$= \underline{\underline{7.8}}$$

$$\begin{array}{r} 7.8 \\ 2 \overline{) 15.6} \end{array}$$



O.T.L.

① Pg 59: Written:

1-4 (all)

11-14 (all)

27-30 (all)

39-42 (all)

O.T.L. Turn in y-day's O.T.L.

① pg 51: Exp: 1-15 (all)
Turned in today

② pg 51: Written: 1-19 (odd)

Pg 54: Exp: 1-16 (a)

Pg 55: Written: 1-55
(every other odd)

ie: 1, 5, 9, 13, 17, ...