

$$\textcircled{10} \quad \begin{array}{c} \downarrow \\ -\frac{3}{2} - N = -\frac{5}{4} \\ +\frac{3}{2} \quad +\frac{3}{2} \end{array}$$

$$-N = \frac{1}{4}$$

"change All signs"

$$\boxed{N = -\frac{1}{4}}$$

$$\underline{\text{CK}} \quad -\frac{3}{2} - (-\frac{1}{4}) \stackrel{?}{=} -\frac{5}{4}$$

$$-\frac{6}{4} + \frac{1}{4} \stackrel{?}{=} -\frac{5}{4} \quad \checkmark$$

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Alternate 4.  $\left(-\frac{3}{2} - N\right) = -\frac{5}{4} \cdot 4$

$$\begin{array}{ccc} \downarrow & & \\ -6 - 4N & = & -5 \\ +6 & & +6 \end{array}$$

$$\frac{-4N}{-4} = \frac{1}{-4}$$

$$\boxed{N = -\frac{1}{4}} \quad \checkmark$$

Alg 1  
CLASSNOTES  
TUES 8-28-12

$$\left\{ \begin{array}{l} -\frac{5}{4} + \frac{3}{2} \\ -\frac{5}{4} + \frac{6}{4} = +\frac{1}{4} \end{array} \right.$$

$$\textcircled{12} \quad -\frac{59}{36} = V - \textcircled{7\frac{1}{12}}$$

$$-\frac{59}{36} = \downarrow V - \frac{85}{12}$$

$$+\frac{85}{12}$$

$$+\frac{85}{12}$$

$$\boxed{\frac{49}{9} = V}$$

$$\frac{85}{12} - \frac{59}{36}$$

$$\frac{255}{36} - \frac{59}{36} = +\frac{196}{36}$$

$$= \frac{9.8}{18}$$

$$= \frac{49}{9}$$

$$\underline{\underline{CK}} \quad -\frac{59}{36} \stackrel{?}{=} \left(\frac{49}{9}\right) - \frac{85}{12}$$

$$-\frac{59}{36} \stackrel{?}{=} \frac{196}{36} - \frac{255}{36} \quad \checkmark$$

$$\textcircled{1} \quad \frac{-90}{-6} = \frac{-6X}{-6}$$

$$\boxed{15 = X}$$

$$\underline{\underline{CK}} \quad -90 \stackrel{?}{=} -6(15) \checkmark$$

$$\textcircled{9} \quad \frac{15}{15} \cdot -8 = \frac{N}{15} \cdot 15$$

$$\boxed{-120 = N}$$

$$\underline{\underline{CK}} \quad -8 \stackrel{?}{=} \frac{(-120)}{15} \checkmark$$

$$\left. \begin{array}{r} 15 \overline{) 00800} \\ \underline{120} \phantom{00} \\ 0 \phantom{00} \end{array} \right\}$$

$$\textcircled{25} \quad \begin{array}{r} -0.66 \\ \hline 0.2 \end{array} = \begin{array}{r} 0. \cancel{2} m \\ \hline 0.2 \end{array} \quad \downarrow$$

$$\boxed{-3.3 = m} \quad \left\{ \begin{array}{r} 00\textcircled{3.3} \\ \hline 0.20 \overline{) 0.66.00} \\ \underline{-60} \phantom{00} \downarrow \\ 60 \\ \underline{60} \\ 0 \end{array} \right.$$

CK

$$-0.66 \stackrel{?}{=} 0.2(-3.3)$$

✓

$$\left\{ \begin{array}{r} 3.3 \\ \underline{.2} \\ .66_n \end{array} \right.$$

(Ex)

$$\frac{4}{9}$$

"MOON THE FRACTION"

$$\begin{array}{r}
 0.44 \\
 \hline
 9 \overline{) 4.000} \\
 \underline{-36} \quad \downarrow \\
 40 \quad \downarrow \\
 \underline{-36} \quad \downarrow \\
 40
 \end{array}
 = \boxed{0.\overline{4}}$$

All fractions with  
integer on top & bottom  
will be either

RATIONAL numbers {

- terminating decimals (Ex)  $\frac{1}{2} = 0.5$
- repeating decimals (Ex)  $\frac{1}{3} = 0.\overline{3}$

irrational no pattern, infinite  
(Ex)  $\pi, \sqrt{2}, \sqrt{3}, \sqrt{5}$