

$$1). \quad 4\left(\frac{1}{3}\right) \rightarrow \frac{4}{1} \cdot \frac{1}{3} = \frac{4}{3}$$

$$2). \quad -6\left(2\frac{2}{5}\right) = -\frac{6}{1} \cdot \left(2\frac{2}{5}\right)$$

Change to a like term  
- improper fraction

multiply whole # by denominator  
Add the numerator

$$\frac{12}{5}$$

$$\begin{array}{r} 2 \\ 5 \overline{) 12} \\ \underline{-10} \\ 2 \end{array} \quad 2\frac{2}{5}$$

Convert to improper fraction:

$$3\frac{4}{8} = ? \frac{30}{8}$$

$$4\frac{9}{10} = ? \frac{49}{10}$$

$$\frac{12}{9} \rightarrow \begin{array}{r} \textcircled{1} \\ 9 \overline{)12} \\ \underline{-9} \\ 3 \end{array} \quad \left| \frac{13}{9} \right|$$

↙

$$\frac{11}{3}$$

Change an improper frach  
to a mixed # by ÷ing  
denominator into nume

$$\frac{12}{8} = \text{mixed \#?}$$

$$\frac{23}{12} = \text{mixed \#}$$

$$3\frac{6}{7} = \text{improper fraction}$$

$$\begin{array}{r} 14 \quad 8 \sqrt{12} \quad 4 \\ \underline{8} \phantom{00} \\ 4 \phantom{00} \\ \underline{11} \phantom{00} \\ 11 \end{array}$$

$$\begin{array}{r} 21 \\ + 6 \\ \hline 27 \end{array}$$

$$3\frac{6}{7} \times \frac{27}{7}$$

$$\Rightarrow \frac{-6}{1} \times \frac{12}{5} = -\frac{72}{5} \quad 5 \overline{) 72} = -14 \frac{2}{5}$$

Handwritten work showing the multiplication of two fractions and the conversion of the result to a mixed number. The fraction  $6(2\frac{2}{5})$  is written above the first fraction. The multiplication is shown as  $\frac{-6}{1} \times \frac{12}{5} = -\frac{72}{5}$ . The division  $5 \overline{) 72}$  is shown vertically, with the quotient  $14$  and remainder  $2$  indicated. The final result is  $-14 \frac{2}{5}$ .

$$3). \quad 3\frac{2}{7}(x) \quad \text{When } x = -\frac{3}{4}$$

$$3\frac{2}{7}\left(-\frac{3}{4}\right)$$

$$3\frac{2}{7} \cdot \left(-\frac{3}{4}\right)$$

$$\frac{23}{7} \cdot -\frac{1}{4} = -\frac{23}{28}$$

$$4). -2.9 \ominus 3.8$$

$$-2.9 + -3.8$$

$$\begin{array}{r} 2.9 \\ + 3.8 \\ \hline 6.7 \end{array} \quad \textcircled{-6.7}$$

$$5). -6.8 + -.064$$

$$\begin{array}{r} 6.800 \\ + .064 \\ \hline -6.864 \end{array}$$

$$6). -4.3 + 7.5$$

$$\begin{array}{r} 7.5 \\ + 4.3 \\ \hline = 3.2 \end{array}$$