

4-6 Dividing by Decimals

① $8.84 \div 3.4$

* Can NOT \div by dec. !!

$$\begin{array}{r} \overset{\sim}{3} \quad \overset{\sim}{4} \quad \overset{\sim}{2} \quad \overset{\sim}{6} \\ 34 \overline{) 884} \\ \underline{-68} \\ 204 \\ \underline{-204} \\ 0 \end{array}$$

$\times 10$

$$\begin{array}{r} 3 \\ 3 \cancel{0} \overline{) 9 \cancel{0}} \end{array}$$

$$\begin{array}{r} 7 \\ 3 \cancel{0} \overline{) 21 \cancel{0}} \end{array}$$

1st Must make divisor a whole # (sweep dec. to end) \rightarrow really are mult. by 10, 100, 1000...

2nd move dec. in dividend same # of times to rgt

3rd Bring dec. up into quotient

③ $25.16 \div 0.068$

$$\begin{array}{r} \overset{\times 5}{0.068} \overline{) 25.160} \\ \underline{-204} \\ 476 \\ \underline{-476} \\ 000 \\ \underline{-000} \\ 0 \end{array}$$

$$78 \overline{) 288} \begin{array}{l} 4 \\ \hline \end{array}$$

$$78 \overline{) 490} \begin{array}{l} 7 \\ \hline \end{array}$$

④

$$\begin{array}{r} 2 \overline{) 64} \quad \begin{array}{r} 00057. \\ 15048 \\ -1320 \\ \hline 1848 \\ -1848 \\ \hline 0 \end{array} \end{array}$$

$$3 \overline{) 15} \quad \begin{array}{r} 5 \\ 15 \\ -15 \\ \hline 0 \end{array}$$

$$3 \overline{) 18} \quad \begin{array}{r} 6 \\ 18 \\ -18 \\ \hline 0 \end{array}$$