

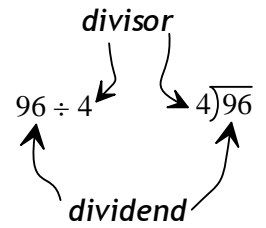
Name _____ Date _____

Long Division Worksheet

$dividend \div divisor = quotient$

$\frac{dividend}{divisor} = quotient$

$divisor \overline{) dividend} \quad \begin{matrix} quotient \\ \end{matrix}$



Example 1: $96 \div 4$

$$4 \overline{)96}$$

$$4 \overline{)96} \quad \begin{matrix} 2 \\ \underline{8} \end{matrix}$$

$$4 \overline{)96} \quad \begin{matrix} 2 \\ \underline{8} \\ 1 \end{matrix}$$

$$4 \overline{)96} \quad \begin{matrix} 2 \\ \underline{8} \\ 16 \end{matrix}$$

$$4 \overline{)96} \quad \begin{matrix} 24 \\ \underline{8} \\ 16 \\ \underline{16} \end{matrix}$$

$$4 \overline{)96} \quad \begin{matrix} 24 \\ \underline{8} \\ 16 \\ \underline{16} \\ 0 \end{matrix}$$

$96 \div 4 = 24$

Example 2: $\frac{872}{21}$

$$21 \overline{)872}$$

$$21 \overline{)872} \quad \begin{matrix} 4 \\ \underline{84} \end{matrix}$$

$$21 \overline{)872} \quad \begin{matrix} 4 \\ \underline{84} \\ 3 \end{matrix}$$

$$21 \overline{)872} \quad \begin{matrix} 4 \\ \underline{84} \\ 32 \end{matrix}$$

$$21 \overline{)872} \quad \begin{matrix} 41 \\ \underline{84} \\ 32 \\ \underline{21} \end{matrix}$$

$$21 \overline{)872} \quad \begin{matrix} 41 \\ \underline{84} \\ 32 \\ \underline{21} \\ 9 \end{matrix}$$

$\frac{872}{21} = 41 \frac{9}{21}$

$21 \overline{)872} \quad \begin{matrix} 41 \text{ R } 9 \end{matrix}$

Complete the indicated long division:

1. $3 \overline{)74}$

2. $5 \overline{)645}$

3. $9 \overline{)1212}$

4. $11 \overline{)352}$

5. $25 \overline{)2562}$

6. $32 \overline{)658}$