

M2.L22 - Dividing w/ 2 Digit Divisor, 2-Digit Quotients

Application Problem

Zenise's sister weighs 8 lbs, 4 oz

$$132 \text{ oz} = \underline{8} \text{ lbs } \underline{4} \text{ oz}$$

E $132 \times 1 \text{ oz}$

C $132 \times (\frac{1}{16} \text{ lb})$

A $\frac{132}{16} = 132 \div 16$

$$140 \div 20 = 7$$

$$\begin{array}{r} 4 \quad 4 \\ 16 \quad 16 \\ \times 7 \quad \times 8 \\ \hline 112 \quad 128 \end{array}$$

$$\begin{array}{r} \textcircled{8} \text{ - lbs} \\ 16 \overline{) 132} \\ \underline{-128} \\ \textcircled{4} \text{ - oz} \end{array}$$

$$\begin{array}{r} 4 \\ 16 \\ \times 8 \\ \hline 128 \\ + 4 \\ \hline 132 \checkmark \end{array}$$

$$\underline{590 \div 17}$$

~~590 ÷ 17 = 34 r 12~~

$$\begin{array}{r} 34 \text{ r } 12 \\ 17 \overline{) 590} \\ \underline{-51} \downarrow \\ 80 \\ \underline{-68} \\ 12 \end{array}$$

$$\begin{array}{l} 59 \div 17 = \\ 60 \div 20 = 3 \\ \begin{array}{r} 2 \quad 2 \quad 3 \\ 17 \quad 17 \quad 17 \\ \times 3 \quad \times 4 \quad \times 5 \\ \hline 51 \quad 68 \quad 95 \end{array} \\ 34 \text{ - Quotient} \\ \times 17 \text{ - Divisor} \\ \hline 238 \\ + 340 \\ \hline 578 \\ + 12 \text{ - Remainder} \\ \hline 590 \text{ - Dividend} \end{array}$$

$$887 \div 27 =$$

$$\begin{array}{r} 32 \text{ r } 23 \\ 27 \overline{) 887} \\ \underline{-81} \downarrow \\ 77 \\ \underline{-54} \\ 23 \end{array}$$

$$88 \div 27 =$$

$$90 \div 30 = 3$$

$$\begin{array}{r} 2 \quad 1 \\ 27 \quad 27 \\ \times 3 \quad \times 2 \\ \hline 81 \quad 54 \end{array}$$

Check

$$\begin{array}{r} 32 \\ \times 27 \\ \hline 224 \\ + 640 \\ \hline 864 \\ + 23 \\ \hline 887 \end{array}$$

$$839 \div 41 =$$

$$\begin{array}{r} 20 \text{ r } 19 \\ 41 \overline{) 839} \\ \underline{-82} \downarrow \\ 19 \\ \underline{-0} \\ 19 \end{array}$$

$$83 \div 41 \approx$$

$$80 \div 40 = \boxed{2}$$

$$\begin{array}{r} 41 \quad 41 \\ \times 2 \quad \times 0 \\ \hline 82 \quad 0 \end{array}$$

$$800 \div 40 = 20$$

$$\begin{array}{r} 41 \\ \times 20 \\ \hline 00 \\ + 820 \\ \hline 820 \\ + 19 \\ \hline 839 \end{array}$$

⑥

$$\begin{array}{r}
 22r26 \\
 32 \overline{) 730} \\
 \underline{64} \\
 89 \\
 \underline{-64} \\
 26
 \end{array}$$

$$73 \div 32 \approx$$

$$30 \overline{) 60, 90}$$

$$60 \div 30 = 2$$

$$32 \quad 32$$

$$\times 2 \quad \times 3$$

$$64 \quad 96$$

$$32$$

$$\times 22$$

$$64$$

$$640$$

$$704$$

$$+ 26$$

$$730$$

⑦ $940 \div 28 =$

$$\begin{array}{r}
 33r16 \\
 28 \overline{) 940} \\
 \underline{-84} \\
 109 \\
 \underline{-84} \\
 16
 \end{array}$$

$$94 \div 28 \approx$$

$$90 \div 30 = 3$$

$$28 \quad 28$$

$$\times 3 \quad \times 4$$

$$84 \quad 112$$

2

$$33$$

$$\times 28$$

$$264$$

$$660$$

$$924$$

$$+ 16$$

$$940$$

$$553 \div 23$$

$$\begin{array}{r} 24 \text{ r } 1 \\ 23 \overline{) 553} \\ \underline{-46} \\ 93 \\ \underline{-92} \\ 1 \end{array}$$

$$55 \div 23 =$$

$$\begin{array}{r} 50 \div 25 = 2 \\ 23 \quad \overset{1}{2}3 \\ \times 2 \quad \times 4 \\ \hline 46 \quad 92 \end{array}$$

$$\begin{array}{r} 24 \\ 23 \overline{) 553} \\ \underline{-46} \\ 92 \\ \underline{-92} \\ 0 \end{array}$$

$$704 \div 46$$

$$\begin{array}{r} 15 \text{ r } 14 \\ 46 \overline{) 704} \\ \underline{-46} \\ 244 \\ \underline{-230} \\ 14 \end{array}$$

$$70 \div 46$$

$$50 \div 50 = 1$$

$$244 \div 46$$

$$250 \div 50 = 5$$

$$\begin{array}{r} 3 \\ 46 \\ \times 5 \\ \hline 230 \end{array}$$

$$\begin{array}{r} 3 \\ 46 \\ \times 15 \\ \hline 230 \\ + 460 \\ \hline 690 \\ + 14 \\ \hline 704 \end{array}$$

$$\begin{array}{r} 15 \\ \times 46 \\ \hline 90 \\ 150 \\ \hline 690 \\ + 14 \\ \hline 704 \end{array}$$