

Two Methods for Solving Division Problems

Digit-by-Digit Method

$$378 \div 4$$

$$\begin{array}{r}
 94 \\
 4 \overline{) 378} \\
 \underline{-36} \downarrow \\
 18 \\
 94 \text{ R } 2 \quad \underline{-16} \\
 2
 \end{array}$$

Rectangle Sections Method

$$378 \div 4$$

	90	4	
	378	18	
4	<u>-360</u>	<u>-16</u>	
	18	2	
			$ \begin{array}{r} 90 \\ + 4 \\ \hline 94 \text{ R } 2 \end{array} $
	$90 \times 4 = 360$		
	$4 \times 4 = 16$		

Directions: Solve the division expression using the digit-by-digit method in box #1. Then, solve the same division expression in box #2 using the rectangle sections method.

$$572 \div 7$$

1. Digit-by-Digit Method

2. Rectangle Sections Method