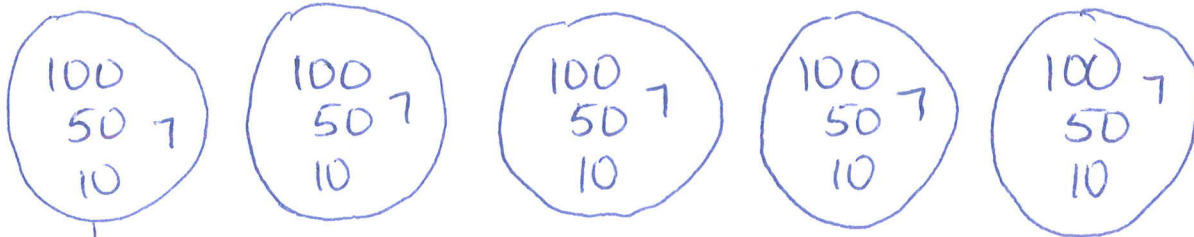


# Division Methods

## ① Equal Groups

$$837 \div 5 =$$



$$\rightarrow 100 + 50 + 10 + 7 = 167 \text{ r } 2$$

$$\begin{array}{r} 837 \\ - 500 (=100 \cdot 5) \\ \hline 337 \\ - 250 (=50 \cdot 5) \\ \hline 87 \\ - 50 (=10 \cdot 5) \\ \hline 37 \\ - 35 (=7 \cdot 5) \\ \hline 2 \end{array}$$

\* As students become more proficient with Methods 1 + 2, they learn how to do them more quickly and more efficiently.

## ② Partial Quotients

$$\begin{array}{r} X \\ 5 \overline{) 837} \\ - 500 \quad 100 \\ \hline 337 \quad + \\ - 250 \quad 50 \\ \hline 87 \quad + \\ - 50 \quad 10 \\ \hline 37 \quad + \\ - 35 \quad 7 \\ \hline 2 \end{array}$$

$$167 \text{ r } 2$$

## ③ Digit-by-Digit (Classic Algorithm)

$$\begin{array}{r} 167 \text{ r } 2 \\ 5 \overline{) 837} \\ - 5 \downarrow \\ \hline 33 \\ - 30 \downarrow \\ \hline 37 \\ - 35 \\ \hline 2 \end{array}$$