

Some Division Strategies for:

$$72 \div 18$$

Repeated Subtraction

$$\begin{array}{r}
 72 - 18 \rightarrow 54 \quad 1 \\
 54 - 18 \rightarrow 36 \quad 2 \\
 36 - 18 \rightarrow 18 \quad 3 \\
 18 - 18 \rightarrow 0 \quad 4
 \end{array}$$

Sharing out one or more at a time

18	18	18	18
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Multiplying Up

$$\begin{array}{r}
 18 \times 2 = 36 \\
 18 \times 1 = 18 \\
 \hline
 54 \\
 18 \times 1 = 18 \\
 \hline
 72
 \end{array}$$

Partial Quotients

$$\begin{array}{r}
 18 \overline{)72} \\
 - \underline{36} \text{ (2 groups)} \\
 36 \\
 - \underline{36} \text{ (2 groups)} \\
 0
 \end{array}$$

4 groups of 18

Reasoning with Proportions

$$\begin{array}{l}
 4 \rightarrow 2 \times 2 \\
 (2 \times 18) + (2 \times 18) \\
 36 + 36 \rightarrow 72
 \end{array}$$