

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$5 \overline{)31}$$

(2)

$$4 \overline{)34}$$

(3)

$$6 \overline{)77}$$

(4)

$$2 \overline{)77}$$

(5)

$$8 \overline{)84}$$

(6)

$$2 \overline{)37}$$

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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $\begin{array}{r} 6 \text{ R1} \\ 5 \overline{) 31} \\ \underline{- 30} \\ \text{Remainder --> } 1 \end{array} \quad (6 \times 5)$	<p>(2)</p> $\begin{array}{r} 8 \text{ R2} \\ 4 \overline{) 34} \\ \underline{- 32} \\ \text{Remainder --> } 2 \end{array} \quad (8 \times 4)$	<p>(3)</p> $\begin{array}{r} 12 \text{ R5} \\ 6 \overline{) 77} \\ \underline{- 6} \\ 17 \\ \underline{- 12} \\ \text{Remainder --> } 5 \end{array} \quad \begin{array}{l} (1 \times 6) \\ (2 \times 6) \end{array}$
<p>(4)</p> $\begin{array}{r} 38 \text{ R1} \\ 2 \overline{) 77} \\ \underline{- 6} \\ 17 \\ \underline{- 16} \\ \text{Remainder --> } 1 \end{array} \quad \begin{array}{l} (3 \times 2) \\ (8 \times 2) \end{array}$	<p>(5)</p> $\begin{array}{r} 10 \text{ R4} \\ 8 \overline{) 84} \\ \underline{- 8} \\ 04 \\ \underline{- 0} \\ \text{Remainder --> } 4 \end{array} \quad \begin{array}{l} (1 \times 8) \\ (0 \times 8) \end{array}$	<p>(6)</p> $\begin{array}{r} 18 \text{ R1} \\ 2 \overline{) 37} \\ \underline{- 2} \\ 17 \\ \underline{- 16} \\ \text{Remainder --> } 1 \end{array} \quad \begin{array}{l} (1 \times 2) \\ (8 \times 2) \end{array}$