

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

(1)

$$6 \overline{)514691}$$

(2)

$$3 \overline{)903854}$$

(3)

$$9 \overline{)331334}$$

(4)

$$7 \overline{)374070}$$

(5)

$$4 \overline{)305695}$$

(6)

$$2 \overline{)756123}$$

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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} 85781 \text{ R5} \\ 6 \overline{) 514691} \\ \underline{- 48} \qquad (8 \times 6) \\ 34 \\ \underline{- 30} \qquad (5 \times 6) \\ 46 \\ \underline{- 42} \qquad (7 \times 6) \\ 49 \\ \underline{- 48} \qquad (8 \times 6) \\ 11 \\ \underline{- 6} \qquad (1 \times 6) \\ \text{Remainder --> } 5 \end{array} $	<p>(2)</p> $ \begin{array}{r} 301284 \text{ R2} \\ 3 \overline{) 903854} \\ \underline{- 9} \qquad (3 \times 3) \\ 00 \\ \underline{- 0} \qquad (0 \times 3) \\ 03 \\ \underline{- 3} \qquad (1 \times 3) \\ 08 \\ \underline{- 6} \qquad (2 \times 3) \\ 25 \\ \underline{- 24} \qquad (8 \times 3) \\ 14 \\ \underline{- 12} \qquad (4 \times 3) \\ \text{Remainder --> } 2 \end{array} $	<p>(3)</p> $ \begin{array}{r} 36814 \text{ R8} \\ 9 \overline{) 331334} \\ \underline{- 27} \qquad (3 \times 9) \\ 61 \\ \underline{- 54} \qquad (6 \times 9) \\ 73 \\ \underline{- 72} \qquad (8 \times 9) \\ 13 \\ \underline{- 9} \qquad (1 \times 9) \\ 44 \\ \underline{- 36} \qquad (4 \times 9) \\ \text{Remainder --> } 8 \end{array} $
<p>(4)</p> $ \begin{array}{r} 53438 \text{ R4} \\ 7 \overline{) 374070} \\ \underline{- 35} \qquad (5 \times 7) \\ 24 \\ \underline{- 21} \qquad (3 \times 7) \\ 30 \\ \underline{- 28} \qquad (4 \times 7) \\ 27 \\ \underline{- 21} \qquad (3 \times 7) \\ 60 \\ \underline{- 56} \qquad (8 \times 7) \\ \text{Remainder --> } 4 \end{array} $	<p>(5)</p> $ \begin{array}{r} 76423 \text{ R3} \\ 4 \overline{) 305695} \\ \underline{- 28} \qquad (7 \times 4) \\ 25 \\ \underline{- 24} \qquad (6 \times 4) \\ 16 \\ \underline{- 16} \qquad (4 \times 4) \\ 09 \\ \underline{- 8} \qquad (2 \times 4) \\ 15 \\ \underline{- 12} \qquad (3 \times 4) \\ \text{Remainder --> } 3 \end{array} $	<p>(6)</p> $ \begin{array}{r} 378061 \text{ R1} \\ 2 \overline{) 756123} \\ \underline{- 6} \qquad (3 \times 2) \\ 15 \\ \underline{- 14} \qquad (7 \times 2) \\ 16 \\ \underline{- 16} \qquad (8 \times 2) \\ 01 \\ \underline{- 0} \qquad (0 \times 2) \\ 12 \\ \underline{- 12} \qquad (6 \times 2) \\ 03 \\ \underline{- 2} \qquad (1 \times 2) \\ \text{Remainder --> } 1 \end{array} $