

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

(1)

$$3 \overline{)458526271}$$

(2)

$$2 \overline{)339112062}$$

(3)

$$7 \overline{)106724857}$$

(4)

$$3 \overline{)944283001}$$

(5)

$$2 \overline{)538976966}$$

(6)

$$5 \overline{)240955755}$$

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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} 152842090 \text{ R1} \\ 3 \overline{) 458526271} \\ \underline{- 3} \quad (1 \times 3) \\ 15 \\ \underline{- 15} \quad (5 \times 3) \\ 08 \\ \underline{- 6} \quad (2 \times 3) \\ 25 \\ \underline{- 24} \quad (8 \times 3) \\ 12 \\ \underline{- 12} \quad (4 \times 3) \\ 06 \\ \underline{- 6} \quad (2 \times 3) \\ 02 \\ \underline{- 0} \quad (0 \times 3) \\ 27 \\ \underline{- 27} \quad (9 \times 3) \\ 01 \\ \underline{- 0} \quad (0 \times 3) \\ \text{Remainder -->} \quad 1 \end{array} $	<p>(2)</p> $ \begin{array}{r} 169556031 \text{ R0} \\ 2 \overline{) 339112062} \\ \underline{- 2} \quad (1 \times 2) \\ 13 \\ \underline{- 12} \quad (6 \times 2) \\ 19 \\ \underline{- 18} \quad (9 \times 2) \\ 11 \\ \underline{- 10} \quad (5 \times 2) \\ 11 \\ \underline{- 10} \quad (5 \times 2) \\ 12 \\ \underline{- 12} \quad (6 \times 2) \\ 00 \\ \underline{- 0} \quad (0 \times 2) \\ 06 \\ \underline{- 6} \quad (3 \times 2) \\ 02 \\ \underline{- 2} \quad (1 \times 2) \\ \text{Remainder -->} \quad 0 \end{array} $	<p>(3)</p> $ \begin{array}{r} 15246408 \text{ R1} \\ 7 \overline{) 106724857} \\ \underline{- 7} \quad (1 \times 7) \\ 36 \\ \underline{- 35} \quad (5 \times 7) \\ 17 \\ \underline{- 14} \quad (2 \times 7) \\ 32 \\ \underline{- 28} \quad (4 \times 7) \\ 44 \\ \underline{- 42} \quad (6 \times 7) \\ 28 \\ \underline{- 28} \quad (4 \times 7) \\ 05 \\ \underline{- 0} \quad (0 \times 7) \\ 57 \\ \underline{- 56} \quad (8 \times 7) \\ \text{Remainder -->} \quad 1 \end{array} $
<p>(4)</p> $ \begin{array}{r} 314761000 \text{ R1} \\ 3 \overline{) 944283001} \\ \underline{- 9} \quad (3 \times 3) \\ 04 \\ \underline{- 3} \quad (1 \times 3) \\ 14 \\ \underline{- 12} \quad (4 \times 3) \\ 22 \\ \underline{- 21} \quad (7 \times 3) \\ 18 \\ \underline{- 18} \quad (6 \times 3) \\ 03 \\ \underline{- 3} \quad (1 \times 3) \\ 00 \\ \underline{- 0} \quad (0 \times 3) \\ 00 \\ \underline{- 0} \quad (0 \times 3) \\ 01 \\ \underline{- 0} \quad (0 \times 3) \\ \text{Remainder -->} \quad 1 \end{array} $	<p>(5)</p> $ \begin{array}{r} 269488483 \text{ R0} \\ 2 \overline{) 538976966} \\ \underline{- 4} \quad (2 \times 2) \\ 13 \\ \underline{- 12} \quad (6 \times 2) \\ 18 \\ \underline{- 18} \quad (9 \times 2) \\ 09 \\ \underline{- 8} \quad (4 \times 2) \\ 17 \\ \underline{- 16} \quad (8 \times 2) \\ 16 \\ \underline{- 16} \quad (8 \times 2) \\ 09 \\ \underline{- 8} \quad (4 \times 2) \\ 16 \\ \underline{- 16} \quad (8 \times 2) \\ 06 \\ \underline{- 6} \quad (3 \times 2) \\ \text{Remainder -->} \quad 0 \end{array} $	<p>(6)</p> $ \begin{array}{r} 48191151 \text{ R0} \\ 5 \overline{) 240955755} \\ \underline{- 20} \quad (4 \times 5) \\ 40 \\ \underline{- 40} \quad (8 \times 5) \\ 09 \\ \underline{- 5} \quad (1 \times 5) \\ 45 \\ \underline{- 45} \quad (9 \times 5) \\ 05 \\ \underline{- 5} \quad (1 \times 5) \\ 07 \\ \underline{- 5} \quad (1 \times 5) \\ 25 \\ \underline{- 25} \quad (5 \times 5) \\ 05 \\ \underline{- 5} \quad (1 \times 5) \\ \text{Remainder -->} \quad 0 \end{array} $