

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

(1)

$$503 \overline{)664420085}$$

(2)

$$468 \overline{)793639599}$$

(3)

$$233 \overline{)487997993}$$

(4)

$$991 \overline{)469643411}$$

(5)

$$296 \overline{)582316550}$$

(6)

$$793 \overline{)862153748}$$

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

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

<p>(1)</p> $ \begin{array}{r} 1320914 \text{ R}343 \\ 503 \overline{) 664420085} \\ \underline{- 503} \quad (1 \times 503) \\ 1614 \\ \underline{- 1509} \quad (3 \times 503) \\ 1052 \\ \underline{- 1006} \quad (2 \times 503) \\ 460 \\ \underline{- 0} \quad (0 \times 503) \\ 4600 \\ \underline{- 4527} \quad (9 \times 503) \\ 738 \\ \underline{- 503} \quad (1 \times 503) \\ 2355 \\ \underline{- 2012} \quad (4 \times 503) \\ \text{Remainder -->} \quad 343 \end{array} $	<p>(2)</p> $ \begin{array}{r} 1695811 \text{ R}51 \\ 468 \overline{) 793639599} \\ \underline{- 468} \quad (1 \times 468) \\ 3256 \\ \underline{- 2808} \quad (6 \times 468) \\ 4483 \\ \underline{- 4212} \quad (9 \times 468) \\ 2719 \\ \underline{- 2340} \quad (5 \times 468) \\ 3795 \\ \underline{- 3744} \quad (8 \times 468) \\ 519 \\ \underline{- 468} \quad (1 \times 468) \\ 519 \\ \underline{- 468} \quad (1 \times 468) \\ \text{Remainder -->} \quad 51 \end{array} $	<p>(3)</p> $ \begin{array}{r} 2094411 \text{ R}230 \\ 233 \overline{) 487997993} \\ \underline{- 466} \quad (2 \times 233) \\ 219 \\ \underline{- 0} \quad (0 \times 233) \\ 2199 \\ \underline{- 2097} \quad (9 \times 233) \\ 1027 \\ \underline{- 932} \quad (4 \times 233) \\ 959 \\ \underline{- 932} \quad (4 \times 233) \\ 279 \\ \underline{- 233} \quad (1 \times 233) \\ 463 \\ \underline{- 233} \quad (1 \times 233) \\ \text{Remainder -->} \quad 230 \end{array} $
<p>(4)</p> $ \begin{array}{r} 473908 \text{ R}583 \\ 991 \overline{) 469643411} \\ \underline{- 3964} \quad (4 \times 991) \\ 7324 \\ \underline{- 6937} \quad (7 \times 991) \\ 3873 \\ \underline{- 2973} \quad (3 \times 991) \\ 9004 \\ \underline{- 8919} \quad (9 \times 991) \\ 851 \\ \underline{- 0} \quad (0 \times 991) \\ 8511 \\ \underline{- 7928} \quad (8 \times 991) \\ \text{Remainder -->} \quad 583 \end{array} $	<p>(5)</p> $ \begin{array}{r} 1967285 \text{ R}190 \\ 296 \overline{) 582316550} \\ \underline{- 296} \quad (1 \times 296) \\ 2863 \\ \underline{- 2664} \quad (9 \times 296) \\ 1991 \\ \underline{- 1776} \quad (6 \times 296) \\ 2156 \\ \underline{- 2072} \quad (7 \times 296) \\ 845 \\ \underline{- 592} \quad (2 \times 296) \\ 2535 \\ \underline{- 2368} \quad (8 \times 296) \\ 1670 \\ \underline{- 1480} \quad (5 \times 296) \\ \text{Remainder -->} \quad 190 \end{array} $	<p>(6)</p> $ \begin{array}{r} 1087205 \text{ R}183 \\ 793 \overline{) 862153748} \\ \underline{- 793} \quad (1 \times 793) \\ 691 \\ \underline{- 0} \quad (0 \times 793) \\ 6915 \\ \underline{- 6344} \quad (8 \times 793) \\ 5713 \\ \underline{- 5551} \quad (7 \times 793) \\ 1627 \\ \underline{- 1586} \quad (2 \times 793) \\ 414 \\ \underline{- 0} \quad (0 \times 793) \\ 4148 \\ \underline{- 3965} \quad (5 \times 793) \\ \text{Remainder -->} \quad 183 \end{array} $