

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

(1)

$$109 \overline{)839749769}$$

(2)

$$754 \overline{)233957699}$$

(3)

$$695 \overline{)589838706}$$

(4)

$$635 \overline{)799999071}$$

(5)

$$378 \overline{)695529653}$$

(6)

$$619 \overline{)293723503}$$

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}  7704126 \text{ R}35 \\  109 \overline{) 839749769} \\  \underline{- 763} \quad (7 \times 109) \\  767 \\  \underline{- 763} \quad (7 \times 109) \\  44 \\  \underline{- 0} \quad (0 \times 109) \\  449 \\  \underline{- 436} \quad (4 \times 109) \\  137 \\  \underline{- 109} \quad (1 \times 109) \\  286 \\  \underline{- 218} \quad (2 \times 109) \\  689 \\  \underline{- 654} \quad (6 \times 109) \\  \text{Remainder -->} \quad 35  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  310288 \text{ R}547 \\  754 \overline{) 233957699} \\  \underline{- 2262} \quad (3 \times 754) \\  775 \\  \underline{- 754} \quad (1 \times 754) \\  217 \\  \underline{- 0} \quad (0 \times 754) \\  2176 \\  \underline{- 1508} \quad (2 \times 754) \\  6689 \\  \underline{- 6032} \quad (8 \times 754) \\  6579 \\  \underline{- 6032} \quad (8 \times 754) \\  \text{Remainder -->} \quad 547  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  848688 \text{ R}546 \\  695 \overline{) 589838706} \\  \underline{- 5560} \quad (8 \times 695) \\  3383 \\  \underline{- 2780} \quad (4 \times 695) \\  6038 \\  \underline{- 5560} \quad (8 \times 695) \\  4787 \\  \underline{- 4170} \quad (6 \times 695) \\  6170 \\  \underline{- 5560} \quad (8 \times 695) \\  6106 \\  \underline{- 5560} \quad (8 \times 695) \\  \text{Remainder -->} \quad 546  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  1259841 \text{ R}36 \\  635 \overline{) 799999071} \\  \underline{- 635} \quad (1 \times 635) \\  1649 \\  \underline{- 1270} \quad (2 \times 635) \\  3799 \\  \underline{- 3175} \quad (5 \times 635) \\  6249 \\  \underline{- 5715} \quad (9 \times 635) \\  5340 \\  \underline{- 5080} \quad (8 \times 635) \\  2607 \\  \underline{- 2540} \quad (4 \times 635) \\  671 \\  \underline{- 635} \quad (1 \times 635) \\  \text{Remainder -->} \quad 36  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  1840025 \text{ R}203 \\  378 \overline{) 695529653} \\  \underline{- 378} \quad (1 \times 378) \\  3175 \\  \underline{- 3024} \quad (8 \times 378) \\  1512 \\  \underline{- 1512} \quad (4 \times 378) \\  09 \\  \underline{- 0} \quad (0 \times 378) \\  96 \\  \underline{- 0} \quad (0 \times 378) \\  965 \\  \underline{- 756} \quad (2 \times 378) \\  2093 \\  \underline{- 1890} \quad (5 \times 378) \\  \text{Remainder -->} \quad 203  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  474512 \text{ R}575 \\  619 \overline{) 293723503} \\  \underline{- 2476} \quad (4 \times 619) \\  4612 \\  \underline{- 4333} \quad (7 \times 619) \\  2793 \\  \underline{- 2476} \quad (4 \times 619) \\  3175 \\  \underline{- 3095} \quad (5 \times 619) \\  800 \\  \underline{- 619} \quad (1 \times 619) \\  1813 \\  \underline{- 1238} \quad (2 \times 619) \\  \text{Remainder -->} \quad 575  \end{array}  $