

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

(1)

$$390 \overline{)671182398}$$

(2)

$$912 \overline{)373352849}$$

(3)

$$223 \overline{)688923269}$$

(4)

$$817 \overline{)869894020}$$

(5)

$$329 \overline{)829445185}$$

(6)

$$586 \overline{)611899624}$$

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}  1720980 \text{ R}198 \\  390 \overline{) 671182398} \\  \underline{- 390} \quad (1 \times 390) \\  2811 \\  \underline{- 2730} \quad (7 \times 390) \\  818 \\  \underline{- 780} \quad (2 \times 390) \\  382 \\  \underline{- 0} \quad (0 \times 390) \\  3823 \\  \underline{- 3510} \quad (9 \times 390) \\  3139 \\  \underline{- 3120} \quad (8 \times 390) \\  198 \\  \underline{- 0} \quad (0 \times 390) \\  \text{Remainder -->} \quad 198  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  409378 \text{ R}113 \\  912 \overline{) 373352849} \\  \underline{- 3648} \quad (4 \times 912) \\  855 \\  \underline{- 0} \quad (0 \times 912) \\  8552 \\  \underline{- 8208} \quad (9 \times 912) \\  3448 \\  \underline{- 2736} \quad (3 \times 912) \\  7124 \\  \underline{- 6384} \quad (7 \times 912) \\  7409 \\  \underline{- 7296} \quad (8 \times 912) \\  \text{Remainder -->} \quad 113  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  3089342 \text{ R}3 \\  223 \overline{) 688923269} \\  \underline{- 669} \quad (3 \times 223) \\  199 \\  \underline{- 0} \quad (0 \times 223) \\  1992 \\  \underline{- 1784} \quad (8 \times 223) \\  2083 \\  \underline{- 2007} \quad (9 \times 223) \\  762 \\  \underline{- 669} \quad (3 \times 223) \\  936 \\  \underline{- 892} \quad (4 \times 223) \\  449 \\  \underline{- 446} \quad (2 \times 223) \\  \text{Remainder -->} \quad 3  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  1064741 \text{ R}623 \\  817 \overline{) 869894020} \\  \underline{- 817} \quad (1 \times 817) \\  528 \\  \underline{- 0} \quad (0 \times 817) \\  5289 \\  \underline{- 4902} \quad (6 \times 817) \\  3874 \\  \underline{- 3268} \quad (4 \times 817) \\  6060 \\  \underline{- 5719} \quad (7 \times 817) \\  3412 \\  \underline{- 3268} \quad (4 \times 817) \\  1440 \\  \underline{- 817} \quad (1 \times 817) \\  \text{Remainder -->} \quad 623  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  2521109 \text{ R}324 \\  329 \overline{) 829445185} \\  \underline{- 658} \quad (2 \times 329) \\  1714 \\  \underline{- 1645} \quad (5 \times 329) \\  694 \\  \underline{- 658} \quad (2 \times 329) \\  365 \\  \underline{- 329} \quad (1 \times 329) \\  361 \\  \underline{- 329} \quad (1 \times 329) \\  328 \\  \underline{- 0} \quad (0 \times 329) \\  3285 \\  \underline{- 2961} \quad (9 \times 329) \\  \text{Remainder -->} \quad 324  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  1044197 \text{ R}182 \\  586 \overline{) 611899624} \\  \underline{- 586} \quad (1 \times 586) \\  258 \\  \underline{- 0} \quad (0 \times 586) \\  2589 \\  \underline{- 2344} \quad (4 \times 586) \\  2459 \\  \underline{- 2344} \quad (4 \times 586) \\  1156 \\  \underline{- 586} \quad (1 \times 586) \\  5702 \\  \underline{- 5274} \quad (9 \times 586) \\  4284 \\  \underline{- 4102} \quad (7 \times 586) \\  \text{Remainder -->} \quad 182  \end{array}  $