

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

(1)

$$4168 \overline{)890566045}$$

(2)

$$1275 \overline{)413754834}$$

(3)

$$8396 \overline{)596140842}$$

(4)

$$4880 \overline{)631159992}$$

(5)

$$9342 \overline{)321334341}$$

(6)

$$3609 \overline{)809128785}$$

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}  213667 \text{ R}1989 \\  4168 \overline{) 890566045} \\  \underline{- 8336} \quad (2 \times 4168) \\  5696 \\  \underline{- 4168} \quad (1 \times 4168) \\  15286 \\  \underline{- 12504} \quad (3 \times 4168) \\  27820 \\  \underline{- 25008} \quad (6 \times 4168) \\  28124 \\  \underline{- 25008} \quad (6 \times 4168) \\  31165 \\  \underline{- 29176} \quad (7 \times 4168) \\  \text{Remainder --> } 1989  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  324513 \text{ R}759 \\  1275 \overline{) 413754834} \\  \underline{- 3825} \quad (3 \times 1275) \\  3125 \\  \underline{- 2550} \quad (2 \times 1275) \\  5754 \\  \underline{- 5100} \quad (4 \times 1275) \\  6548 \\  \underline{- 6375} \quad (5 \times 1275) \\  1733 \\  \underline{- 1275} \quad (1 \times 1275) \\  4584 \\  \underline{- 3825} \quad (3 \times 1275) \\  \text{Remainder --> } 759  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  71002 \text{ R}8050 \\  8396 \overline{) 596140842} \\  \underline{- 58772} \quad (7 \times 8396) \\  8420 \\  \underline{- 8396} \quad (1 \times 8396) \\  248 \\  \underline{- 0} \quad (0 \times 8396) \\  2484 \\  \underline{- 0} \quad (0 \times 8396) \\  24842 \\  \underline{- 16792} \quad (2 \times 8396) \\  \text{Remainder --> } 8050  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  129336 \text{ R}312 \\  4880 \overline{) 631159992} \\  \underline{- 4880} \quad (1 \times 4880) \\  14315 \\  \underline{- 9760} \quad (2 \times 4880) \\  45559 \\  \underline{- 43920} \quad (9 \times 4880) \\  16399 \\  \underline{- 14640} \quad (3 \times 4880) \\  17599 \\  \underline{- 14640} \quad (3 \times 4880) \\  29592 \\  \underline{- 29280} \quad (6 \times 4880) \\  \text{Remainder --> } 312  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  34396 \text{ R}6909 \\  9342 \overline{) 321334341} \\  \underline{- 28026} \quad (3 \times 9342) \\  41074 \\  \underline{- 37368} \quad (4 \times 9342) \\  37063 \\  \underline{- 28026} \quad (3 \times 9342) \\  90374 \\  \underline{- 84078} \quad (9 \times 9342) \\  62961 \\  \underline{- 56052} \quad (6 \times 9342) \\  \text{Remainder --> } 6909  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  224197 \text{ R}1812 \\  3609 \overline{) 809128785} \\  \underline{- 7218} \quad (2 \times 3609) \\  8732 \\  \underline{- 7218} \quad (2 \times 3609) \\  15148 \\  \underline{- 14436} \quad (4 \times 3609) \\  7127 \\  \underline{- 3609} \quad (1 \times 3609) \\  35188 \\  \underline{- 32481} \quad (9 \times 3609) \\  27075 \\  \underline{- 25263} \quad (7 \times 3609) \\  \text{Remainder --> } 1812  \end{array}  $