

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

(1)

$$8163 \overline{) 349831228}$$

(2)

$$8742 \overline{) 516728598}$$

(3)

$$6302 \overline{) 652782424}$$

(4)

$$5957 \overline{) 577399732}$$

(5)

$$9721 \overline{) 569111965}$$

(6)

$$7388 \overline{) 454151901}$$

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} 42855 \text{ R}5863 \\ 8163 \overline{) 349831228} \\ \underline{- 32652} \quad (4 \times 8163) \\ 23311 \\ \underline{- 16326} \quad (2 \times 8163) \\ 69852 \\ \underline{- 65304} \quad (8 \times 8163) \\ 45482 \\ \underline{- 40815} \quad (5 \times 8163) \\ 46678 \\ \underline{- 40815} \quad (5 \times 8163) \\ \text{Remainder --> } 5863 \end{array} $	<p>(2)</p> $ \begin{array}{r} 59108 \text{ R}6462 \\ 8742 \overline{) 516728598} \\ \underline{- 43710} \quad (5 \times 8742) \\ 79628 \\ \underline{- 78678} \quad (9 \times 8742) \\ 9505 \\ \underline{- 8742} \quad (1 \times 8742) \\ 7639 \\ \underline{- 0} \quad (0 \times 8742) \\ 76398 \\ \underline{- 69936} \quad (8 \times 8742) \\ \text{Remainder --> } 6462 \end{array} $	<p>(3)</p> $ \begin{array}{r} 103583 \text{ R}2358 \\ 6302 \overline{) 652782424} \\ \underline{- 6302} \quad (1 \times 6302) \\ 2258 \\ \underline{- 0} \quad (0 \times 6302) \\ 22582 \\ \underline{- 18906} \quad (3 \times 6302) \\ 36764 \\ \underline{- 31510} \quad (5 \times 6302) \\ 52542 \\ \underline{- 50416} \quad (8 \times 6302) \\ 21264 \\ \underline{- 18906} \quad (3 \times 6302) \\ \text{Remainder --> } 2358 \end{array} $
<p>(4)</p> $ \begin{array}{r} 96927 \text{ R}5593 \\ 5957 \overline{) 577399732} \\ \underline{- 53613} \quad (9 \times 5957) \\ 41269 \\ \underline{- 35742} \quad (6 \times 5957) \\ 55277 \\ \underline{- 53613} \quad (9 \times 5957) \\ 16643 \\ \underline{- 11914} \quad (2 \times 5957) \\ 47292 \\ \underline{- 41699} \quad (7 \times 5957) \\ \text{Remainder --> } 5593 \end{array} $	<p>(5)</p> $ \begin{array}{r} 58544 \text{ R}5741 \\ 9721 \overline{) 569111965} \\ \underline{- 48605} \quad (5 \times 9721) \\ 83061 \\ \underline{- 77768} \quad (8 \times 9721) \\ 52939 \\ \underline{- 48605} \quad (5 \times 9721) \\ 43346 \\ \underline{- 38884} \quad (4 \times 9721) \\ 44625 \\ \underline{- 38884} \quad (4 \times 9721) \\ \text{Remainder --> } 5741 \end{array} $	<p>(6)</p> $ \begin{array}{r} 61471 \text{ R}4153 \\ 7388 \overline{) 454151901} \\ \underline{- 44328} \quad (6 \times 7388) \\ 10871 \\ \underline{- 7388} \quad (1 \times 7388) \\ 34839 \\ \underline{- 29552} \quad (4 \times 7388) \\ 52870 \\ \underline{- 51716} \quad (7 \times 7388) \\ 11541 \\ \underline{- 7388} \quad (1 \times 7388) \\ \text{Remainder --> } 4153 \end{array} $