

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

(1)

$$4287 \overline{)870284678}$$

(2)

$$9821 \overline{)508986901}$$

(3)

$$7251 \overline{)549437233}$$

(4)

$$5420 \overline{)196501727}$$

(5)

$$6550 \overline{)943506609}$$

(6)

$$2984 \overline{)948993127}$$

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} \overline{203005} \text{ R}2243 \\ 4287 \overline{)870284678} \\ \underline{- 8574} \quad (2 \times 4287) \\ 1288 \\ \underline{- 0} \quad (0 \times 4287) \\ 12884 \\ \underline{- 12861} \quad (3 \times 4287) \\ 236 \\ \underline{- 0} \quad (0 \times 4287) \\ 2367 \\ \underline{- 0} \quad (0 \times 4287) \\ 23678 \\ \underline{- 21435} \quad (5 \times 4287) \\ \text{Remainder -->} \quad 2243 \end{array} $	<p>(2)</p> $ \begin{array}{r} \overline{51826} \text{ R}3755 \\ 9821 \overline{)508986901} \\ \underline{- 49105} \quad (5 \times 9821) \\ 17936 \\ \underline{- 9821} \quad (1 \times 9821) \\ 81159 \\ \underline{- 78568} \quad (8 \times 9821) \\ 25910 \\ \underline{- 19642} \quad (2 \times 9821) \\ 62681 \\ \underline{- 58926} \quad (6 \times 9821) \\ \text{Remainder -->} \quad 3755 \end{array} $	<p>(3)</p> $ \begin{array}{r} \overline{75773} \text{ R}7210 \\ 7251 \overline{)549437233} \\ \underline{- 50757} \quad (7 \times 7251) \\ 41867 \\ \underline{- 36255} \quad (5 \times 7251) \\ 56122 \\ \underline{- 50757} \quad (7 \times 7251) \\ 53653 \\ \underline{- 50757} \quad (7 \times 7251) \\ 28963 \\ \underline{- 21753} \quad (3 \times 7251) \\ \text{Remainder -->} \quad 7210 \end{array} $
<p>(4)</p> $ \begin{array}{r} \overline{36254} \text{ R}5047 \\ 5420 \overline{)196501727} \\ \underline{- 16260} \quad (3 \times 5420) \\ 33901 \\ \underline{- 32520} \quad (6 \times 5420) \\ 13817 \\ \underline{- 10840} \quad (2 \times 5420) \\ 29772 \\ \underline{- 27100} \quad (5 \times 5420) \\ 26727 \\ \underline{- 21680} \quad (4 \times 5420) \\ \text{Remainder -->} \quad 5047 \end{array} $	<p>(5)</p> $ \begin{array}{r} \overline{144046} \text{ R}5309 \\ 6550 \overline{)943506609} \\ \underline{- 6550} \quad (1 \times 6550) \\ 28850 \\ \underline{- 26200} \quad (4 \times 6550) \\ 26506 \\ \underline{- 26200} \quad (4 \times 6550) \\ 3066 \\ \underline{- 0} \quad (0 \times 6550) \\ 30660 \\ \underline{- 26200} \quad (4 \times 6550) \\ 44609 \\ \underline{- 39300} \quad (6 \times 6550) \\ \text{Remainder -->} \quad 5309 \end{array} $	<p>(6)</p> $ \begin{array}{r} \overline{318027} \text{ R}559 \\ 2984 \overline{)948993127} \\ \underline{- 8952} \quad (3 \times 2984) \\ 5379 \\ \underline{- 2984} \quad (1 \times 2984) \\ 23953 \\ \underline{- 23872} \quad (8 \times 2984) \\ 811 \\ \underline{- 0} \quad (0 \times 2984) \\ 8112 \\ \underline{- 5968} \quad (2 \times 2984) \\ 21447 \\ \underline{- 20888} \quad (7 \times 2984) \\ \text{Remainder -->} \quad 559 \end{array} $