

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

(1)

$$9 \overline{)431983}$$

(2)

$$9 \overline{)128984}$$

(3)

$$6 \overline{)251314}$$

(4)

$$6 \overline{)910915}$$

(5)

$$2 \overline{)551474}$$

(6)

$$3 \overline{)896436}$$

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} 47998 \text{ R1} \\ 9 \overline{) 431983} \\ \underline{- 36} \qquad (4 \times 9) \\ 71 \\ \underline{- 63} \qquad (7 \times 9) \\ 89 \\ \underline{- 81} \qquad (9 \times 9) \\ 88 \\ \underline{- 81} \qquad (9 \times 9) \\ 73 \\ \underline{- 72} \qquad (8 \times 9) \\ \text{Remainder --> } 1 \end{array} $	<p>(2)</p> $ \begin{array}{r} 14331 \text{ R5} \\ 9 \overline{) 128984} \\ \underline{- 9} \qquad (1 \times 9) \\ 38 \\ \underline{- 36} \qquad (4 \times 9) \\ 29 \\ \underline{- 27} \qquad (3 \times 9) \\ 28 \\ \underline{- 27} \qquad (3 \times 9) \\ 14 \\ \underline{- 9} \qquad (1 \times 9) \\ \text{Remainder --> } 5 \end{array} $	<p>(3)</p> $ \begin{array}{r} 41885 \text{ R4} \\ 6 \overline{) 251314} \\ \underline{- 24} \qquad (4 \times 6) \\ 11 \\ \underline{- 6} \qquad (1 \times 6) \\ 53 \\ \underline{- 48} \qquad (8 \times 6) \\ 51 \\ \underline{- 48} \qquad (8 \times 6) \\ 34 \\ \underline{- 30} \qquad (5 \times 6) \\ \text{Remainder --> } 4 \end{array} $
<p>(4)</p> $ \begin{array}{r} 151819 \text{ R1} \\ 6 \overline{) 910915} \\ \underline{- 6} \qquad (1 \times 6) \\ 31 \\ \underline{- 30} \qquad (5 \times 6) \\ 10 \\ \underline{- 6} \qquad (1 \times 6) \\ 49 \\ \underline{- 48} \qquad (8 \times 6) \\ 11 \\ \underline{- 6} \qquad (1 \times 6) \\ 55 \\ \underline{- 54} \qquad (9 \times 6) \\ \text{Remainder --> } 1 \end{array} $	<p>(5)</p> $ \begin{array}{r} 275737 \text{ R0} \\ 2 \overline{) 551474} \\ \underline{- 4} \qquad (2 \times 2) \\ 15 \\ \underline{- 14} \qquad (7 \times 2) \\ 11 \\ \underline{- 10} \qquad (5 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ 07 \\ \underline{- 6} \qquad (3 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ \text{Remainder --> } 0 \end{array} $	<p>(6)</p> $ \begin{array}{r} 298812 \text{ R0} \\ 3 \overline{) 896436} \\ \underline{- 6} \qquad (2 \times 3) \\ 29 \\ \underline{- 27} \qquad (9 \times 3) \\ 26 \\ \underline{- 24} \qquad (8 \times 3) \\ 24 \\ \underline{- 24} \qquad (8 \times 3) \\ 03 \\ \underline{- 3} \qquad (1 \times 3) \\ 06 \\ \underline{- 6} \qquad (2 \times 3) \\ \text{Remainder --> } 0 \end{array} $