

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

(1)

$$8 \overline{)73857793}$$

(2)

$$3 \overline{)74138263}$$

(3)

$$2 \overline{)84247989}$$

(4)

$$9 \overline{)80834307}$$

(5)

$$3 \overline{)54705641}$$

(6)

$$2 \overline{)33749093}$$

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} 9232224 \text{ R1} \\ 8 \overline{) 73857793} \\ \underline{- 72} \qquad (9 \times 8) \\ 18 \\ \underline{- 16} \qquad (2 \times 8) \\ 25 \\ \underline{- 24} \qquad (3 \times 8) \\ 17 \\ \underline{- 16} \qquad (2 \times 8) \\ 17 \\ \underline{- 16} \qquad (2 \times 8) \\ 19 \\ \underline{- 16} \qquad (2 \times 8) \\ 33 \\ \underline{- 32} \qquad (4 \times 8) \\ \text{Remainder -->} \quad 1 \end{array} $	<p>(2)</p> $ \begin{array}{r} 24712754 \text{ R1} \\ 3 \overline{) 74138263} \\ \underline{- 6} \qquad (2 \times 3) \\ 14 \\ \underline{- 12} \qquad (4 \times 3) \\ 21 \\ \underline{- 21} \qquad (7 \times 3) \\ 03 \\ \underline{- 3} \qquad (1 \times 3) \\ 08 \\ \underline{- 6} \qquad (2 \times 3) \\ 22 \\ \underline{- 21} \qquad (7 \times 3) \\ 16 \\ \underline{- 15} \qquad (5 \times 3) \\ 13 \\ \underline{- 12} \qquad (4 \times 3) \\ \text{Remainder -->} \quad 1 \end{array} $	<p>(3)</p> $ \begin{array}{r} 42123994 \text{ R1} \\ 2 \overline{) 84247989} \\ \underline{- 8} \qquad (4 \times 2) \\ 04 \\ \underline{- 4} \qquad (2 \times 2) \\ 02 \\ \underline{- 2} \qquad (1 \times 2) \\ 04 \\ \underline{- 4} \qquad (2 \times 2) \\ 07 \\ \underline{- 6} \qquad (3 \times 2) \\ 19 \\ \underline{- 18} \qquad (9 \times 2) \\ 18 \\ \underline{- 18} \qquad (9 \times 2) \\ 09 \\ \underline{- 8} \qquad (4 \times 2) \\ \text{Remainder -->} \quad 1 \end{array} $
<p>(4)</p> $ \begin{array}{r} 8981589 \text{ R6} \\ 9 \overline{) 80834307} \\ \underline{- 72} \qquad (8 \times 9) \\ 88 \\ \underline{- 81} \qquad (9 \times 9) \\ 73 \\ \underline{- 72} \qquad (8 \times 9) \\ 14 \\ \underline{- 9} \qquad (1 \times 9) \\ 53 \\ \underline{- 45} \qquad (5 \times 9) \\ 80 \\ \underline{- 72} \qquad (8 \times 9) \\ 87 \\ \underline{- 81} \qquad (9 \times 9) \\ \text{Remainder -->} \quad 6 \end{array} $	<p>(5)</p> $ \begin{array}{r} 18235213 \text{ R2} \\ 3 \overline{) 54705641} \\ \underline{- 3} \qquad (1 \times 3) \\ 24 \\ \underline{- 24} \qquad (8 \times 3) \\ 07 \\ \underline{- 6} \qquad (2 \times 3) \\ 10 \\ \underline{- 9} \qquad (3 \times 3) \\ 15 \\ \underline{- 15} \qquad (5 \times 3) \\ 06 \\ \underline{- 6} \qquad (2 \times 3) \\ 04 \\ \underline{- 3} \qquad (1 \times 3) \\ 11 \\ \underline{- 9} \qquad (3 \times 3) \\ \text{Remainder -->} \quad 2 \end{array} $	<p>(6)</p> $ \begin{array}{r} 16874546 \text{ R1} \\ 2 \overline{) 33749093} \\ \underline{- 2} \qquad (1 \times 2) \\ 13 \\ \underline{- 12} \qquad (6 \times 2) \\ 17 \\ \underline{- 16} \qquad (8 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ 09 \\ \underline{- 8} \qquad (4 \times 2) \\ 10 \\ \underline{- 10} \qquad (5 \times 2) \\ 09 \\ \underline{- 8} \qquad (4 \times 2) \\ 13 \\ \underline{- 12} \qquad (6 \times 2) \\ \text{Remainder -->} \quad 1 \end{array} $