

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

(1)

$$83 \overline{) 903178339}$$

(2)

$$18 \overline{) 485685035}$$

(3)

$$33 \overline{) 837067824}$$

(4)

$$17 \overline{) 163400732}$$

(5)

$$87 \overline{) 409555173}$$

(6)

$$21 \overline{) 807661197}$$

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} 10881666 \text{ R61} \\ 83 \overline{) 903178339} \\ \underline{- 83} \qquad (1 \times 83) \\ 73 \\ \underline{- 0} \qquad (0 \times 83) \\ 731 \\ \underline{- 664} \qquad (8 \times 83) \\ 677 \\ \underline{- 664} \qquad (8 \times 83) \\ 138 \\ \underline{- 83} \qquad (1 \times 83) \\ 553 \\ \underline{- 498} \qquad (6 \times 83) \\ 553 \\ \underline{- 498} \qquad (6 \times 83) \\ 559 \\ \underline{- 498} \qquad (6 \times 83) \\ 61 \\ \text{Remainder -->} \end{array} $	<p>(2)</p> $ \begin{array}{r} 26982501 \text{ R17} \\ 18 \overline{) 485685035} \\ \underline{- 36} \qquad (2 \times 18) \\ 125 \\ \underline{- 108} \qquad (6 \times 18) \\ 176 \\ \underline{- 162} \qquad (9 \times 18) \\ 148 \\ \underline{- 144} \qquad (8 \times 18) \\ 45 \\ \underline{- 36} \qquad (2 \times 18) \\ 90 \\ \underline{- 90} \qquad (5 \times 18) \\ 03 \\ \underline{- 0} \qquad (0 \times 18) \\ 35 \\ \underline{- 18} \qquad (1 \times 18) \\ 17 \\ \text{Remainder -->} \end{array} $	<p>(3)</p> $ \begin{array}{r} 25365691 \text{ R21} \\ 33 \overline{) 837067824} \\ \underline{- 66} \qquad (2 \times 33) \\ 177 \\ \underline{- 165} \qquad (5 \times 33) \\ 120 \\ \underline{- 99} \qquad (3 \times 33) \\ 216 \\ \underline{- 198} \qquad (6 \times 33) \\ 187 \\ \underline{- 165} \qquad (5 \times 33) \\ 228 \\ \underline{- 198} \qquad (6 \times 33) \\ 302 \\ \underline{- 297} \qquad (9 \times 33) \\ 54 \\ \underline{- 33} \qquad (1 \times 33) \\ 21 \\ \text{Remainder -->} \end{array} $
<p>(4)</p> $ \begin{array}{r} 9611807 \text{ R13} \\ 17 \overline{) 163400732} \\ \underline{- 153} \qquad (9 \times 17) \\ 104 \\ \underline{- 102} \qquad (6 \times 17) \\ 20 \\ \underline{- 17} \qquad (1 \times 17) \\ 30 \\ \underline{- 17} \qquad (1 \times 17) \\ 137 \\ \underline{- 136} \qquad (8 \times 17) \\ 13 \\ \underline{- 0} \qquad (0 \times 17) \\ 132 \\ \underline{- 119} \qquad (7 \times 17) \\ 13 \\ \text{Remainder -->} \end{array} $	<p>(5)</p> $ \begin{array}{r} 4707530 \text{ R63} \\ 87 \overline{) 409555173} \\ \underline{- 348} \qquad (4 \times 87) \\ 615 \\ \underline{- 609} \qquad (7 \times 87) \\ 65 \\ \underline{- 0} \qquad (0 \times 87) \\ 655 \\ \underline{- 609} \qquad (7 \times 87) \\ 461 \\ \underline{- 435} \qquad (5 \times 87) \\ 267 \\ \underline{- 261} \qquad (3 \times 87) \\ 63 \\ \underline{- 0} \qquad (0 \times 87) \\ 63 \\ \text{Remainder -->} \end{array} $	<p>(6)</p> $ \begin{array}{r} 38460057 \text{ R0} \\ 21 \overline{) 807661197} \\ \underline{- 63} \qquad (3 \times 21) \\ 177 \\ \underline{- 168} \qquad (8 \times 21) \\ 96 \\ \underline{- 84} \qquad (4 \times 21) \\ 126 \\ \underline{- 126} \qquad (6 \times 21) \\ 01 \\ \underline{- 0} \qquad (0 \times 21) \\ 11 \\ \underline{- 0} \qquad (0 \times 21) \\ 119 \\ \underline{- 105} \qquad (5 \times 21) \\ 147 \\ \underline{- 147} \qquad (7 \times 21) \\ 0 \\ \text{Remainder -->} \end{array} $