

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

(1)

$$7 \overline{)41237889}$$

(2)

$$8 \overline{)28808167}$$

(3)

$$5 \overline{)16987981}$$

(4)

$$7 \overline{)83338459}$$

(5)

$$2 \overline{)13816731}$$

(6)

$$7 \overline{)90169055}$$

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} 5891127 \text{ R0} \\ 7 \overline{) 41237889} \\ \underline{- 35} \quad (5 \times 7) \\ 62 \\ \underline{- 56} \quad (8 \times 7) \\ 63 \\ \underline{- 63} \quad (9 \times 7) \\ 07 \\ \underline{- 7} \quad (1 \times 7) \\ 08 \\ \underline{- 7} \quad (1 \times 7) \\ 18 \\ \underline{- 14} \quad (2 \times 7) \\ 49 \\ \underline{- 49} \quad (7 \times 7) \\ \text{Remainder --> } 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 3601020 \text{ R7} \\ 8 \overline{) 28808167} \\ \underline{- 24} \quad (3 \times 8) \\ 48 \\ \underline{- 48} \quad (6 \times 8) \\ 00 \\ \underline{- 0} \quad (0 \times 8) \\ 08 \\ \underline{- 8} \quad (1 \times 8) \\ 01 \\ \underline{- 0} \quad (0 \times 8) \\ 16 \\ \underline{- 16} \quad (2 \times 8) \\ 07 \\ \underline{- 0} \quad (0 \times 8) \\ \text{Remainder --> } 7 \end{array} $	<p>(3)</p> $ \begin{array}{r} 3397596 \text{ R1} \\ 5 \overline{) 16987981} \\ \underline{- 15} \quad (3 \times 5) \\ 19 \\ \underline{- 15} \quad (3 \times 5) \\ 48 \\ \underline{- 45} \quad (9 \times 5) \\ 37 \\ \underline{- 35} \quad (7 \times 5) \\ 29 \\ \underline{- 25} \quad (5 \times 5) \\ 48 \\ \underline{- 45} \quad (9 \times 5) \\ 31 \\ \underline{- 30} \quad (6 \times 5) \\ \text{Remainder --> } 1 \end{array} $
<p>(4)</p> $ \begin{array}{r} 11905494 \text{ R1} \\ 7 \overline{) 83338459} \\ \underline{- 7} \quad (1 \times 7) \\ 13 \\ \underline{- 7} \quad (1 \times 7) \\ 63 \\ \underline{- 63} \quad (9 \times 7) \\ 03 \\ \underline{- 0} \quad (0 \times 7) \\ 38 \\ \underline{- 35} \quad (5 \times 7) \\ 34 \\ \underline{- 28} \quad (4 \times 7) \\ 65 \\ \underline{- 63} \quad (9 \times 7) \\ 29 \\ \underline{- 28} \quad (4 \times 7) \\ \text{Remainder --> } 1 \end{array} $	<p>(5)</p> $ \begin{array}{r} 6908365 \text{ R1} \\ 2 \overline{) 13816731} \\ \underline{- 12} \quad (6 \times 2) \\ 18 \\ \underline{- 18} \quad (9 \times 2) \\ 01 \\ \underline{- 0} \quad (0 \times 2) \\ 16 \\ \underline{- 16} \quad (8 \times 2) \\ 07 \\ \underline{- 6} \quad (3 \times 2) \\ 13 \\ \underline{- 12} \quad (6 \times 2) \\ 11 \\ \underline{- 10} \quad (5 \times 2) \\ \text{Remainder --> } 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 12881293 \text{ R4} \\ 7 \overline{) 90169055} \\ \underline{- 7} \quad (1 \times 7) \\ 20 \\ \underline{- 14} \quad (2 \times 7) \\ 61 \\ \underline{- 56} \quad (8 \times 7) \\ 56 \\ \underline{- 56} \quad (8 \times 7) \\ 09 \\ \underline{- 7} \quad (1 \times 7) \\ 20 \\ \underline{- 14} \quad (2 \times 7) \\ 65 \\ \underline{- 63} \quad (9 \times 7) \\ 25 \\ \underline{- 21} \quad (3 \times 7) \\ \text{Remainder --> } 4 \end{array} $