

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

(1)

$$9 \overline{)718965}$$

(2)

$$7 \overline{)782001}$$

(3)

$$4 \overline{)297442}$$

(4)

$$8 \overline{)908701}$$

(5)

$$2 \overline{)705983}$$

(6)

$$5 \overline{)893210}$$

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} 79885 \text{ R0} \\ 9 \overline{) 718965} \\ \underline{- 63} \quad (7 \times 9) \\ 88 \\ \underline{- 81} \quad (9 \times 9) \\ 79 \\ \underline{- 72} \quad (8 \times 9) \\ 76 \\ \underline{- 72} \quad (8 \times 9) \\ 45 \\ \underline{- 45} \quad (5 \times 9) \\ \text{Remainder --> } 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 111714 \text{ R3} \\ 7 \overline{) 782001} \\ \underline{- 7} \quad (1 \times 7) \\ 08 \\ \underline{- 7} \quad (1 \times 7) \\ 12 \\ \underline{- 7} \quad (1 \times 7) \\ 50 \\ \underline{- 49} \quad (7 \times 7) \\ 10 \\ \underline{- 7} \quad (1 \times 7) \\ 31 \\ \underline{- 28} \quad (4 \times 7) \\ \text{Remainder --> } 3 \end{array} $	<p>(3)</p> $ \begin{array}{r} 74360 \text{ R2} \\ 4 \overline{) 297442} \\ \underline{- 28} \quad (7 \times 4) \\ 17 \\ \underline{- 16} \quad (4 \times 4) \\ 14 \\ \underline{- 12} \quad (3 \times 4) \\ 24 \\ \underline{- 24} \quad (6 \times 4) \\ 02 \\ \underline{- 0} \quad (0 \times 4) \\ \text{Remainder --> } 2 \end{array} $
<p>(4)</p> $ \begin{array}{r} 113587 \text{ R5} \\ 8 \overline{) 908701} \\ \underline{- 8} \quad (1 \times 8) \\ 10 \\ \underline{- 8} \quad (1 \times 8) \\ 28 \\ \underline{- 24} \quad (3 \times 8) \\ 47 \\ \underline{- 40} \quad (5 \times 8) \\ 70 \\ \underline{- 64} \quad (8 \times 8) \\ 61 \\ \underline{- 56} \quad (7 \times 8) \\ \text{Remainder --> } 5 \end{array} $	<p>(5)</p> $ \begin{array}{r} 352991 \text{ R1} \\ 2 \overline{) 705983} \\ \underline{- 6} \quad (3 \times 2) \\ 10 \\ \underline{- 10} \quad (5 \times 2) \\ 05 \\ \underline{- 4} \quad (2 \times 2) \\ 19 \\ \underline{- 18} \quad (9 \times 2) \\ 18 \\ \underline{- 18} \quad (9 \times 2) \\ 03 \\ \underline{- 2} \quad (1 \times 2) \\ \text{Remainder --> } 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 178642 \text{ R0} \\ 5 \overline{) 893210} \\ \underline{- 5} \quad (1 \times 5) \\ 39 \\ \underline{- 35} \quad (7 \times 5) \\ 43 \\ \underline{- 40} \quad (8 \times 5) \\ 32 \\ \underline{- 30} \quad (6 \times 5) \\ 21 \\ \underline{- 20} \quad (4 \times 5) \\ 10 \\ \underline{- 10} \quad (2 \times 5) \\ \text{Remainder --> } 0 \end{array} $