

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

(1)

$$7 \overline{)406916727}$$

(2)

$$9 \overline{)552652149}$$

(3)

$$8 \overline{)983022911}$$

(4)

$$3 \overline{)122889264}$$

(5)

$$4 \overline{)861327235}$$

(6)

$$9 \overline{)720169587}$$

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} 58130961 \text{ R0} \\ 7 \overline{) 406916727} \\ \underline{- 35} \quad (5 \times 7) \\ 56 \\ \underline{- 56} \quad (8 \times 7) \\ 09 \\ \underline{- 7} \quad (1 \times 7) \\ 21 \\ \underline{- 21} \quad (3 \times 7) \\ 06 \\ \underline{- 0} \quad (0 \times 7) \\ 67 \\ \underline{- 63} \quad (9 \times 7) \\ 42 \\ \underline{- 42} \quad (6 \times 7) \\ 07 \\ \underline{- 7} \quad (1 \times 7) \\ 0 \end{array} $ <p>Remainder --> 0</p>	<p>(2)</p> $ \begin{array}{r} 61405794 \text{ R3} \\ 9 \overline{) 552652149} \\ \underline{- 54} \quad (6 \times 9) \\ 12 \\ \underline{- 9} \quad (1 \times 9) \\ 36 \\ \underline{- 36} \quad (4 \times 9) \\ 05 \\ \underline{- 0} \quad (0 \times 9) \\ 52 \\ \underline{- 45} \quad (5 \times 9) \\ 71 \\ \underline{- 63} \quad (7 \times 9) \\ 84 \\ \underline{- 81} \quad (9 \times 9) \\ 39 \\ \underline{- 36} \quad (4 \times 9) \\ 3 \end{array} $ <p>Remainder --> 3</p>	<p>(3)</p> $ \begin{array}{r} 122877863 \text{ R7} \\ 8 \overline{) 983022911} \\ \underline{- 8} \quad (1 \times 8) \\ 18 \\ \underline{- 16} \quad (2 \times 8) \\ 23 \\ \underline{- 16} \quad (2 \times 8) \\ 70 \\ \underline{- 64} \quad (8 \times 8) \\ 62 \\ \underline{- 56} \quad (7 \times 8) \\ 62 \\ \underline{- 56} \quad (7 \times 8) \\ 69 \\ \underline{- 64} \quad (8 \times 8) \\ 51 \\ \underline{- 48} \quad (6 \times 8) \\ 31 \\ \underline{- 24} \quad (3 \times 8) \\ 7 \end{array} $ <p>Remainder --> 7</p>
<p>(4)</p> $ \begin{array}{r} 40963088 \text{ R0} \\ 3 \overline{) 122889264} \\ \underline{- 12} \quad (4 \times 3) \\ 02 \\ \underline{- 0} \quad (0 \times 3) \\ 28 \\ \underline{- 27} \quad (9 \times 3) \\ 18 \\ \underline{- 18} \quad (6 \times 3) \\ 09 \\ \underline{- 9} \quad (3 \times 3) \\ 02 \\ \underline{- 0} \quad (0 \times 3) \\ 26 \\ \underline{- 24} \quad (8 \times 3) \\ 24 \\ \underline{- 24} \quad (8 \times 3) \\ 0 \end{array} $ <p>Remainder --> 0</p>	<p>(5)</p> $ \begin{array}{r} 215331808 \text{ R3} \\ 4 \overline{) 861327235} \\ \underline{- 8} \quad (2 \times 4) \\ 06 \\ \underline{- 4} \quad (1 \times 4) \\ 21 \\ \underline{- 20} \quad (5 \times 4) \\ 13 \\ \underline{- 12} \quad (3 \times 4) \\ 12 \\ \underline{- 12} \quad (3 \times 4) \\ 07 \\ \underline{- 4} \quad (1 \times 4) \\ 32 \\ \underline{- 32} \quad (8 \times 4) \\ 03 \\ \underline{- 0} \quad (0 \times 4) \\ 35 \\ \underline{- 32} \quad (8 \times 4) \\ 3 \end{array} $ <p>Remainder --> 3</p>	<p>(6)</p> $ \begin{array}{r} 80018843 \text{ R0} \\ 9 \overline{) 720169587} \\ \underline{- 72} \quad (8 \times 9) \\ 00 \\ \underline{- 0} \quad (0 \times 9) \\ 01 \\ \underline{- 0} \quad (0 \times 9) \\ 16 \\ \underline{- 9} \quad (1 \times 9) \\ 79 \\ \underline{- 72} \quad (8 \times 9) \\ 75 \\ \underline{- 72} \quad (8 \times 9) \\ 38 \\ \underline{- 36} \quad (4 \times 9) \\ 27 \\ \underline{- 27} \quad (3 \times 9) \\ 0 \end{array} $ <p>Remainder --> 0</p>