

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

(1)

$$4 \overline{) 18407090}$$

(2)

$$9 \overline{) 73836035}$$

(3)

$$8 \overline{) 69297701}$$

(4)

$$8 \overline{) 40809061}$$

(5)

$$8 \overline{) 46492486}$$

(6)

$$3 \overline{) 31857514}$$

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} 4601772 \text{ R}2 \\ 4 \overline{) 18407090} \\ \underline{- 16} \qquad (4 \times 4) \\ 24 \\ \underline{- 24} \qquad (6 \times 4) \\ 00 \\ \underline{- 0} \qquad (0 \times 4) \\ 07 \\ \underline{- 4} \qquad (1 \times 4) \\ 30 \\ \underline{- 28} \qquad (7 \times 4) \\ 29 \\ \underline{- 28} \qquad (7 \times 4) \\ 10 \\ \underline{- 8} \qquad (2 \times 4) \\ \text{Remainder -->} \quad 2 \end{array} $	<p>(2)</p> $ \begin{array}{r} 8204003 \text{ R}8 \\ 9 \overline{) 73836035} \\ \underline{- 72} \qquad (8 \times 9) \\ 18 \\ \underline{- 18} \qquad (2 \times 9) \\ 03 \\ \underline{- 0} \qquad (0 \times 9) \\ 36 \\ \underline{- 36} \qquad (4 \times 9) \\ 00 \\ \underline{- 0} \qquad (0 \times 9) \\ 03 \\ \underline{- 0} \qquad (0 \times 9) \\ 35 \\ \underline{- 27} \qquad (3 \times 9) \\ \text{Remainder -->} \quad 8 \end{array} $	<p>(3)</p> $ \begin{array}{r} 8662212 \text{ R}5 \\ 8 \overline{) 69297701} \\ \underline{- 64} \qquad (8 \times 8) \\ 52 \\ \underline{- 48} \qquad (6 \times 8) \\ 49 \\ \underline{- 48} \qquad (6 \times 8) \\ 17 \\ \underline{- 16} \qquad (2 \times 8) \\ 17 \\ \underline{- 16} \qquad (2 \times 8) \\ 10 \\ \underline{- 8} \qquad (1 \times 8) \\ 21 \\ \underline{- 16} \qquad (2 \times 8) \\ \text{Remainder -->} \quad 5 \end{array} $
<p>(4)</p> $ \begin{array}{r} 5101132 \text{ R}5 \\ 8 \overline{) 40809061} \\ \underline{- 40} \qquad (5 \times 8) \\ 08 \\ \underline{- 8} \qquad (1 \times 8) \\ 00 \\ \underline{- 0} \qquad (0 \times 8) \\ 09 \\ \underline{- 8} \qquad (1 \times 8) \\ 10 \\ \underline{- 8} \qquad (1 \times 8) \\ 26 \\ \underline{- 24} \qquad (3 \times 8) \\ 21 \\ \underline{- 16} \qquad (2 \times 8) \\ \text{Remainder -->} \quad 5 \end{array} $	<p>(5)</p> $ \begin{array}{r} 5811560 \text{ R}6 \\ 8 \overline{) 46492486} \\ \underline{- 40} \qquad (5 \times 8) \\ 64 \\ \underline{- 64} \qquad (8 \times 8) \\ 09 \\ \underline{- 8} \qquad (1 \times 8) \\ 12 \\ \underline{- 8} \qquad (1 \times 8) \\ 44 \\ \underline{- 40} \qquad (5 \times 8) \\ 48 \\ \underline{- 48} \qquad (6 \times 8) \\ 06 \\ \underline{- 0} \qquad (0 \times 8) \\ \text{Remainder -->} \quad 6 \end{array} $	<p>(6)</p> $ \begin{array}{r} 10619171 \text{ R}1 \\ 3 \overline{) 31857514} \\ \underline{- 3} \qquad (1 \times 3) \\ 01 \\ \underline{- 0} \qquad (0 \times 3) \\ 18 \\ \underline{- 18} \qquad (6 \times 3) \\ 05 \\ \underline{- 3} \qquad (1 \times 3) \\ 27 \\ \underline{- 27} \qquad (9 \times 3) \\ 05 \\ \underline{- 3} \qquad (1 \times 3) \\ 21 \\ \underline{- 21} \qquad (7 \times 3) \\ 04 \\ \underline{- 3} \qquad (1 \times 3) \\ \text{Remainder -->} \quad 1 \end{array} $