

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

(1)

$$4 \overline{)10566}$$

(2)

$$8 \overline{)50458}$$

(3)

$$6 \overline{)64639}$$

(4)

$$8 \overline{)12447}$$

(5)

$$9 \overline{)53197}$$

(6)

$$6 \overline{)90168}$$

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} 2641 \text{ R2} \\ 4 \overline{) 10566} \\ \underline{- 8} \qquad (2 \times 4) \\ 25 \\ \underline{- 24} \qquad (6 \times 4) \\ 16 \\ \underline{- 16} \qquad (4 \times 4) \\ 06 \\ \underline{- 4} \qquad (1 \times 4) \\ \text{Remainder --> } 2 \end{array} $	<p>(2)</p> $ \begin{array}{r} 6307 \text{ R2} \\ 8 \overline{) 50458} \\ \underline{- 48} \qquad (6 \times 8) \\ 24 \\ \underline{- 24} \qquad (3 \times 8) \\ 05 \\ \underline{- 0} \qquad (0 \times 8) \\ 58 \\ \underline{- 56} \qquad (7 \times 8) \\ \text{Remainder --> } 2 \end{array} $	<p>(3)</p> $ \begin{array}{r} 10773 \text{ R1} \\ 6 \overline{) 64639} \\ \underline{- 6} \qquad (1 \times 6) \\ 04 \\ \underline{- 0} \qquad (0 \times 6) \\ 46 \\ \underline{- 42} \qquad (7 \times 6) \\ 43 \\ \underline{- 42} \qquad (7 \times 6) \\ 19 \\ \underline{- 18} \qquad (3 \times 6) \\ \text{Remainder --> } 1 \end{array} $
<p>(4)</p> $ \begin{array}{r} 1555 \text{ R7} \\ 8 \overline{) 12447} \\ \underline{- 8} \qquad (1 \times 8) \\ 44 \\ \underline{- 40} \qquad (5 \times 8) \\ 44 \\ \underline{- 40} \qquad (5 \times 8) \\ 47 \\ \underline{- 40} \qquad (5 \times 8) \\ \text{Remainder --> } 7 \end{array} $	<p>(5)</p> $ \begin{array}{r} 5910 \text{ R7} \\ 9 \overline{) 53197} \\ \underline{- 45} \qquad (5 \times 9) \\ 81 \\ \underline{- 81} \qquad (9 \times 9) \\ 09 \\ \underline{- 9} \qquad (1 \times 9) \\ 07 \\ \underline{- 0} \qquad (0 \times 9) \\ \text{Remainder --> } 7 \end{array} $	<p>(6)</p> $ \begin{array}{r} 15028 \text{ R0} \\ 6 \overline{) 90168} \\ \underline{- 6} \qquad (1 \times 6) \\ 30 \\ \underline{- 30} \qquad (5 \times 6) \\ 01 \\ \underline{- 0} \qquad (0 \times 6) \\ 16 \\ \underline{- 12} \qquad (2 \times 6) \\ 48 \\ \underline{- 48} \qquad (8 \times 6) \\ \text{Remainder --> } 0 \end{array} $