

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

(1)

$$5 \overline{)875678}$$

(2)

$$6 \overline{)290262}$$

(3)

$$6 \overline{)171678}$$

(4)

$$3 \overline{)686164}$$

(5)

$$8 \overline{)217453}$$

(6)

$$5 \overline{)733991}$$

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} 175135 \text{ R}3 \\ 5 \overline{) 875678} \\ \underline{- 5} \qquad (1 \times 5) \\ 37 \\ \underline{- 35} \qquad (7 \times 5) \\ 25 \\ \underline{- 25} \qquad (5 \times 5) \\ 06 \\ \underline{- 5} \qquad (1 \times 5) \\ 17 \\ \underline{- 15} \qquad (3 \times 5) \\ 28 \\ \underline{- 25} \qquad (5 \times 5) \\ \text{Remainder --> } 3 \end{array} $	<p>(2)</p> $ \begin{array}{r} 48377 \text{ R}0 \\ 6 \overline{) 290262} \\ \underline{- 24} \qquad (4 \times 6) \\ 50 \\ \underline{- 48} \qquad (8 \times 6) \\ 22 \\ \underline{- 18} \qquad (3 \times 6) \\ 46 \\ \underline{- 42} \qquad (7 \times 6) \\ 42 \\ \underline{- 42} \qquad (7 \times 6) \\ \text{Remainder --> } 0 \end{array} $	<p>(3)</p> $ \begin{array}{r} 28613 \text{ R}0 \\ 6 \overline{) 171678} \\ \underline{- 12} \qquad (2 \times 6) \\ 51 \\ \underline{- 48} \qquad (8 \times 6) \\ 36 \\ \underline{- 36} \qquad (6 \times 6) \\ 07 \\ \underline{- 6} \qquad (1 \times 6) \\ 18 \\ \underline{- 18} \qquad (3 \times 6) \\ \text{Remainder --> } 0 \end{array} $
<p>(4)</p> $ \begin{array}{r} 228721 \text{ R}1 \\ 3 \overline{) 686164} \\ \underline{- 6} \qquad (2 \times 3) \\ 08 \\ \underline{- 6} \qquad (2 \times 3) \\ 26 \\ \underline{- 24} \qquad (8 \times 3) \\ 21 \\ \underline{- 21} \qquad (7 \times 3) \\ 06 \\ \underline{- 6} \qquad (2 \times 3) \\ 04 \\ \underline{- 3} \qquad (1 \times 3) \\ \text{Remainder --> } 1 \end{array} $	<p>(5)</p> $ \begin{array}{r} 27181 \text{ R}5 \\ 8 \overline{) 217453} \\ \underline{- 16} \qquad (2 \times 8) \\ 57 \\ \underline{- 56} \qquad (7 \times 8) \\ 14 \\ \underline{- 8} \qquad (1 \times 8) \\ 65 \\ \underline{- 64} \qquad (8 \times 8) \\ 13 \\ \underline{- 8} \qquad (1 \times 8) \\ \text{Remainder --> } 5 \end{array} $	<p>(6)</p> $ \begin{array}{r} 146798 \text{ R}1 \\ 5 \overline{) 733991} \\ \underline{- 5} \qquad (1 \times 5) \\ 23 \\ \underline{- 20} \qquad (4 \times 5) \\ 33 \\ \underline{- 30} \qquad (6 \times 5) \\ 39 \\ \underline{- 35} \qquad (7 \times 5) \\ 49 \\ \underline{- 45} \qquad (9 \times 5) \\ 41 \\ \underline{- 40} \qquad (8 \times 5) \\ \text{Remainder --> } 1 \end{array} $