

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

(1)

$$2 \overline{) 94224}$$

(2)

$$5 \overline{) 62603}$$

(3)

$$7 \overline{) 96478}$$

(4)

$$5 \overline{) 43720}$$

(5)

$$5 \overline{) 59308}$$

(6)

$$3 \overline{) 35833}$$

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} 47112 \text{ R0} \\ 2 \overline{) 94224} \\ \underline{- 8} \qquad (4 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ 02 \\ \underline{- 2} \qquad (1 \times 2) \\ 02 \\ \underline{- 2} \qquad (1 \times 2) \\ 04 \\ \underline{- 4} \qquad (2 \times 2) \\ \text{Remainder --> } 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 12520 \text{ R3} \\ 5 \overline{) 62603} \\ \underline{- 5} \qquad (1 \times 5) \\ 12 \\ \underline{- 10} \qquad (2 \times 5) \\ 26 \\ \underline{- 25} \qquad (5 \times 5) \\ 10 \\ \underline{- 10} \qquad (2 \times 5) \\ 03 \\ \underline{- 0} \qquad (0 \times 5) \\ \text{Remainder --> } 3 \end{array} $	<p>(3)</p> $ \begin{array}{r} 13782 \text{ R4} \\ 7 \overline{) 96478} \\ \underline{- 7} \qquad (1 \times 7) \\ 26 \\ \underline{- 21} \qquad (3 \times 7) \\ 54 \\ \underline{- 49} \qquad (7 \times 7) \\ 57 \\ \underline{- 56} \qquad (8 \times 7) \\ 18 \\ \underline{- 14} \qquad (2 \times 7) \\ \text{Remainder --> } 4 \end{array} $
<p>(4)</p> $ \begin{array}{r} 8744 \text{ R0} \\ 5 \overline{) 43720} \\ \underline{- 40} \qquad (8 \times 5) \\ 37 \\ \underline{- 35} \qquad (7 \times 5) \\ 22 \\ \underline{- 20} \qquad (4 \times 5) \\ 20 \\ \underline{- 20} \qquad (4 \times 5) \\ \text{Remainder --> } 0 \end{array} $	<p>(5)</p> $ \begin{array}{r} 11861 \text{ R3} \\ 5 \overline{) 59308} \\ \underline{- 5} \qquad (1 \times 5) \\ 09 \\ \underline{- 5} \qquad (1 \times 5) \\ 43 \\ \underline{- 40} \qquad (8 \times 5) \\ 30 \\ \underline{- 30} \qquad (6 \times 5) \\ 08 \\ \underline{- 5} \qquad (1 \times 5) \\ \text{Remainder --> } 3 \end{array} $	<p>(6)</p> $ \begin{array}{r} 11944 \text{ R1} \\ 3 \overline{) 35833} \\ \underline{- 3} \qquad (1 \times 3) \\ 05 \\ \underline{- 3} \qquad (1 \times 3) \\ 28 \\ \underline{- 27} \qquad (9 \times 3) \\ 13 \\ \underline{- 12} \qquad (4 \times 3) \\ 13 \\ \underline{- 12} \qquad (4 \times 3) \\ \text{Remainder --> } 1 \end{array} $