

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

(1)

$$4 \overline{) 8884}$$

(2)

$$7 \overline{) 4724}$$

(3)

$$6 \overline{) 2772}$$

(4)

$$8 \overline{) 9890}$$

(5)

$$3 \overline{) 9409}$$

(6)

$$5 \overline{) 3581}$$

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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 2221 \text{ R0} \\ 4 \overline{) 8884} \\ \underline{- 8} \qquad (2 \times 4) \\ 08 \\ \underline{- 8} \qquad (2 \times 4) \\ 08 \\ \underline{- 8} \qquad (2 \times 4) \\ 04 \\ \underline{- 4} \qquad (1 \times 4) \\ \text{Remainder --> } 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 674 \text{ R6} \\ 7 \overline{) 4724} \\ \underline{- 42} \qquad (6 \times 7) \\ 52 \\ \underline{- 49} \qquad (7 \times 7) \\ 34 \\ \underline{- 28} \qquad (4 \times 7) \\ \text{Remainder --> } 6 \end{array} $	<p>(3)</p> $ \begin{array}{r} 462 \text{ R0} \\ 6 \overline{) 2772} \\ \underline{- 24} \qquad (4 \times 6) \\ 37 \\ \underline{- 36} \qquad (6 \times 6) \\ 12 \\ \underline{- 12} \qquad (2 \times 6) \\ \text{Remainder --> } 0 \end{array} $
<p>(4)</p> $ \begin{array}{r} 1236 \text{ R2} \\ 8 \overline{) 9890} \\ \underline{- 8} \qquad (1 \times 8) \\ 18 \\ \underline{- 16} \qquad (2 \times 8) \\ 29 \\ \underline{- 24} \qquad (3 \times 8) \\ 50 \\ \underline{- 48} \qquad (6 \times 8) \\ \text{Remainder --> } 2 \end{array} $	<p>(5)</p> $ \begin{array}{r} 3136 \text{ R1} \\ 3 \overline{) 9409} \\ \underline{- 9} \qquad (3 \times 3) \\ 04 \\ \underline{- 3} \qquad (1 \times 3) \\ 10 \\ \underline{- 9} \qquad (3 \times 3) \\ 19 \\ \underline{- 18} \qquad (6 \times 3) \\ \text{Remainder --> } 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 716 \text{ R1} \\ 5 \overline{) 3581} \\ \underline{- 35} \qquad (7 \times 5) \\ 08 \\ \underline{- 5} \qquad (1 \times 5) \\ 31 \\ \underline{- 30} \qquad (6 \times 5) \\ \text{Remainder --> } 1 \end{array} $