

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

(1)

$$8 \overline{)794}$$

(2)

$$3 \overline{)825}$$

(3)

$$7 \overline{)884}$$

(4)

$$6 \overline{)158}$$

(5)

$$3 \overline{)175}$$

(6)

$$2 \overline{)992}$$

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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} 99 \text{ R}2 \\ 8 \overline{) 794} \\ \underline{- 72} \qquad (9 \times 8) \\ 74 \\ \underline{- 72} \qquad (9 \times 8) \\ \text{Remainder --> } 2 \end{array} $	<p>(2)</p> $ \begin{array}{r} 275 \text{ R}0 \\ 3 \overline{) 825} \\ \underline{- 6} \qquad (2 \times 3) \\ 22 \\ \underline{- 21} \qquad (7 \times 3) \\ 15 \\ \underline{- 15} \qquad (5 \times 3) \\ \text{Remainder --> } 0 \end{array} $	<p>(3)</p> $ \begin{array}{r} 126 \text{ R}2 \\ 7 \overline{) 884} \\ \underline{- 7} \qquad (1 \times 7) \\ 18 \\ \underline{- 14} \qquad (2 \times 7) \\ 44 \\ \underline{- 42} \qquad (6 \times 7) \\ \text{Remainder --> } 2 \end{array} $
<p>(4)</p> $ \begin{array}{r} 26 \text{ R}2 \\ 6 \overline{) 158} \\ \underline{- 12} \qquad (2 \times 6) \\ 38 \\ \underline{- 36} \qquad (6 \times 6) \\ \text{Remainder --> } 2 \end{array} $	<p>(5)</p> $ \begin{array}{r} 58 \text{ R}1 \\ 3 \overline{) 175} \\ \underline{- 15} \qquad (5 \times 3) \\ 25 \\ \underline{- 24} \qquad (8 \times 3) \\ \text{Remainder --> } 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 496 \text{ R}0 \\ 2 \overline{) 992} \\ \underline{- 8} \qquad (4 \times 2) \\ 19 \\ \underline{- 18} \qquad (9 \times 2) \\ 12 \\ \underline{- 12} \qquad (6 \times 2) \\ \text{Remainder --> } 0 \end{array} $