

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

(1)

$$12 \overline{)8317}$$

(2)

$$47 \overline{)9163}$$

(3)

$$75 \overline{)6636}$$

(4)

$$31 \overline{)3176}$$

(5)

$$46 \overline{)2039}$$

(6)

$$90 \overline{)6522}$$

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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} 693 \text{ R}1 \\ 12 \overline{) 8317} \\ \underline{- 72} \qquad (6 \times 12) \\ 111 \\ \underline{- 108} \qquad (9 \times 12) \\ 37 \\ \underline{- 36} \qquad (3 \times 12) \\ \text{Remainder --> } 1 \end{array} $	<p>(2)</p> $ \begin{array}{r} 194 \text{ R}45 \\ 47 \overline{) 9163} \\ \underline{- 47} \qquad (1 \times 47) \\ 446 \\ \underline{- 423} \qquad (9 \times 47) \\ 233 \\ \underline{- 188} \qquad (4 \times 47) \\ \text{Remainder --> } 45 \end{array} $	<p>(3)</p> $ \begin{array}{r} 88 \text{ R}36 \\ 75 \overline{) 6636} \\ \underline{- 600} \qquad (8 \times 75) \\ 636 \\ \underline{- 600} \qquad (8 \times 75) \\ \text{Remainder --> } 36 \end{array} $
<p>(4)</p> $ \begin{array}{r} 102 \text{ R}14 \\ 31 \overline{) 3176} \\ \underline{- 31} \qquad (1 \times 31) \\ 07 \\ \underline{- 0} \qquad (0 \times 31) \\ 76 \\ \underline{- 62} \qquad (2 \times 31) \\ \text{Remainder --> } 14 \end{array} $	<p>(5)</p> $ \begin{array}{r} 44 \text{ R}15 \\ 46 \overline{) 2039} \\ \underline{- 184} \qquad (4 \times 46) \\ 199 \\ \underline{- 184} \qquad (4 \times 46) \\ \text{Remainder --> } 15 \end{array} $	<p>(6)</p> $ \begin{array}{r} 72 \text{ R}42 \\ 90 \overline{) 6522} \\ \underline{- 630} \qquad (7 \times 90) \\ 222 \\ \underline{- 180} \qquad (2 \times 90) \\ \text{Remainder --> } 42 \end{array} $