

# Solved Long Division Problems with Step-By-Step Walkthrough

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

*Solutions are on page 2*

(1)

$$93 \overline{) 829}$$

(2)

$$68 \overline{) 311}$$

(3)

$$46 \overline{) 659}$$

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

<p>(1)</p> $\begin{array}{r} 8 \text{ R}85 \\ 93 \overline{) 829} \\ \underline{- 744} \phantom{0} \\ \text{Remainder --> } 85 \end{array} \quad (8 \times 93)$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 93 into 829 (= 8) Multiply 8 times 93 (= 744) Subtract 744 from 829 (= 85) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 4 \text{ R}39 \\ 68 \overline{) 311} \\ \underline{- 272} \phantom{0} \\ \text{Remainder --> } 39 \end{array} \quad (4 \times 68)$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 68 into 311 (= 4) Multiply 4 times 68 (= 272) Subtract 272 from 311 (= 39) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 14 \text{ R}15 \\ 46 \overline{) 659} \\ \underline{- 46} \phantom{0} \\ 199 \\ \underline{- 184} \phantom{0} \\ \text{Remainder --> } 15 \end{array} \quad \begin{array}{l} (1 \times 46) \\ (4 \times 46) \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 46 into 65 (= 1) Multiply 1 times 46 (= 46) Subtract 46 from 65 (= 19) Bring down the 9</p> <p>Divide 46 into 199 (= 4) Multiply 4 times 46 (= 184) Subtract 184 from 199 (= 15) Done. No more numbers to bring down.</p>
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