

# 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)

$$38 \overline{) 347}$$

(2)

$$74 \overline{) 732}$$

(3)

$$83 \overline{) 895}$$

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

<p>(1)</p> $\begin{array}{r} 9 \text{ R}5 \\ 38 \overline{) 347} \\ \underline{- 342} \phantom{0} \\ \phantom{00} 5 \end{array} \quad (9 \times 38)$ <p>Remainder --&gt; 5</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 38 into 347 (= 9) Multiply 9 times 38 (= 342) Subtract 342 from 347 (= 5) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 9 \text{ R}66 \\ 74 \overline{) 732} \\ \underline{- 666} \phantom{0} \\ \phantom{00} 66 \end{array} \quad (9 \times 74)$ <p>Remainder --&gt; 66</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 74 into 732 (= 9) Multiply 9 times 74 (= 666) Subtract 666 from 732 (= 66) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 10 \text{ R}65 \\ 83 \overline{) 895} \\ \underline{- 83} \phantom{0} \\ \phantom{00} 65 \\ \underline{- 0} \phantom{0} \\ \phantom{000} 65 \end{array} \quad \begin{array}{l} (1 \times 83) \\ (0 \times 83) \end{array}$ <p>Remainder --&gt; 65</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 83 into 89 (= 1) Multiply 1 times 83 (= 83) Subtract 83 from 89 (= 6) Bring down the 5</p> <p>Divide 83 into 65 (= 0) Multiply 0 times 83 (= 0) Subtract 0 from 65 (= 65) Done. No more numbers to bring down.</p>
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