

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)

$$71 \overline{) 113}$$

(2)

$$84 \overline{) 925}$$

(3)

$$82 \overline{) 545}$$

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

<p>(1)</p> $\begin{array}{r} 1 \text{ R}42 \\ 71 \overline{) 113} \\ \underline{- 71} \\ 42 \end{array} \quad (1 \times 71)$ <p>Remainder --> 42</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 71 into 113 (= 1) Multiply 1 times 71 (= 71) Subtract 71 from 113 (= 42) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 11 \text{ R}1 \\ 84 \overline{) 925} \\ \underline{- 84} \\ 85 \\ \underline{- 84} \\ 1 \end{array} \quad (1 \times 84)$ <p>Remainder --> 1</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 84 into 92 (= 1) Multiply 1 times 84 (= 84) Subtract 84 from 92 (= 8) Bring down the 5</p> <p>Divide 84 into 85 (= 1) Multiply 1 times 84 (= 84) Subtract 84 from 85 (= 1) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 6 \text{ R}53 \\ 82 \overline{) 545} \\ \underline{- 492} \\ 53 \end{array} \quad (6 \times 82)$ <p>Remainder --> 53</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 82 into 545 (= 6) Multiply 6 times 82 (= 492) Subtract 492 from 545 (= 53) Done. No more numbers to bring down.</p>
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