

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)

$$7 \overline{)92}$$

(2)

$$5 \overline{)87}$$

(3)

$$3 \overline{)31}$$

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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} 13 \text{ R}1 \\ 7 \overline{) 92} \\ \underline{- 7} \\ 22 \\ \underline{- 21} \\ 1 \end{array} $ <p style="text-align: right;">(1 x 7) (3 x 7)</p> <p>Remainder --> 1</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 7 into 9 (= 1) Multiply 1 times 7 (= 7) Subtract 7 from 9 (= 2) Bring down the 2</p> <p>Divide 7 into 22 (= 3) Multiply 3 times 7 (= 21) Subtract 21 from 22 (= 1) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 17 \text{ R}2 \\ 5 \overline{) 87} \\ \underline{- 5} \\ 37 \\ \underline{- 35} \\ 2 \end{array} $ <p style="text-align: right;">(1 x 5) (7 x 5)</p> <p>Remainder --> 2</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 8 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 8 (= 3) Bring down the 7</p> <p>Divide 5 into 37 (= 7) Multiply 7 times 5 (= 35) Subtract 35 from 37 (= 2) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 10 \text{ R}1 \\ 3 \overline{) 31} \\ \underline{- 3} \\ 01 \\ \underline{- 0} \\ 1 \end{array} $ <p style="text-align: right;">(1 x 3) (0 x 3)</p> <p>Remainder --> 1</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 3 into 3 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 3 (= 0) Bring down the 1</p> <p>Divide 3 into 01 (= 0) Multiply 0 times 3 (= 0) Subtract 0 from 01 (= 1) Done. No more numbers to bring down.</p>
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