

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)

$$94 \overline{) 3171}$$

(2)

$$39 \overline{) 9216}$$

(3)

$$82 \overline{) 5666}$$

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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} 33 \text{ R}69 \\ 94 \overline{) 3171} \\ \underline{- 282} \quad (3 \times 94) \\ 351 \\ \underline{- 282} \quad (3 \times 94) \\ \text{Remainder --> } 69 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 94 into 317 (= 3) Multiply 3 times 94 (= 282) Subtract 282 from 317 (= 35) Bring down the 1</p> <p>Divide 94 into 351 (= 3) Multiply 3 times 94 (= 282) Subtract 282 from 351 (= 69) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 236 \text{ R}12 \\ 39 \overline{) 9216} \\ \underline{- 78} \quad (2 \times 39) \\ 141 \\ \underline{- 117} \quad (3 \times 39) \\ 246 \\ \underline{- 234} \quad (6 \times 39) \\ \text{Remainder --> } 12 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 39 into 92 (= 2) Multiply 2 times 39 (= 78) Subtract 78 from 92 (= 14) Bring down the 1</p> <p>Divide 39 into 141 (= 3) Multiply 3 times 39 (= 117) Subtract 117 from 141 (= 24) Bring down the 6</p> <p>Divide 39 into 246 (= 6) Multiply 6 times 39 (= 234) Subtract 234 from 246 (= 12) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 69 \text{ R}8 \\ 82 \overline{) 5666} \\ \underline{- 492} \quad (6 \times 82) \\ 746 \\ \underline{- 738} \quad (9 \times 82) \\ \text{Remainder --> } 8 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 82 into 566 (= 6) Multiply 6 times 82 (= 492) Subtract 492 from 566 (= 74) Bring down the 6</p> <p>Divide 82 into 746 (= 9) Multiply 9 times 82 (= 738) Subtract 738 from 746 (= 8) Done. No more numbers to bring down.</p>
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