

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)

$$5 \overline{)612}$$

(2)

$$5 \overline{)965}$$

(3)

$$3 \overline{)312}$$

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

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

<p>(1)</p> $ \begin{array}{r} 122 \text{ R}2 \\ 5 \overline{) 612} \\ \underline{- 5} \\ 11 \\ \underline{- 10} \\ 12 \\ \underline{- 10} \\ 2 \end{array} $ <p><i>Remainder --> 2</i></p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 6 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 6 (= 1) Bring down the 1</p> <p>Divide 5 into 11 (= 2) Multiply 2 times 5 (= 10) Subtract 10 from 11 (= 1) Bring down the 2</p> <p>Divide 5 into 12 (= 2) Multiply 2 times 5 (= 10) Subtract 10 from 12 (= 2) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 193 \text{ R}0 \\ 5 \overline{) 965} \\ \underline{- 5} \\ 46 \\ \underline{- 45} \\ 15 \\ \underline{- 15} \\ 0 \end{array} $ <p><i>Remainder --> 0</i></p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 9 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 9 (= 4) Bring down the 6</p> <p>Divide 5 into 46 (= 9) Multiply 9 times 5 (= 45) Subtract 45 from 46 (= 1) Bring down the 5</p> <p>Divide 5 into 15 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 15 (= 0) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 104 \text{ R}0 \\ 3 \overline{) 312} \\ \underline{- 3} \\ 01 \\ \underline{- 0} \\ 12 \\ \underline{- 12} \\ 0 \end{array} $ <p><i>Remainder --> 0</i></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) Bring down the 2</p> <p>Divide 3 into 12 (= 4) Multiply 4 times 3 (= 12) Subtract 12 from 12 (= 0) Done. No more numbers to bring down.</p>
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