

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

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| (1) <div>7 $\overline{)845}$</div> | (2) <div>9 $\overline{)403}$</div> | (3) <div>5 $\overline{)424}$</div> |
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

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| <div><div>(1)</div><div><div>120 R5</div><div>7 845</div><div><div>- 7</div><div>(1 x 7)</div></div><div><div>14</div><div>(2 x 7)</div></div><div><div>- 14</div><div>(0 x 7)</div></div><div><div>05</div><div>- 0</div></div><div>Remainder --> 5</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 7 into 8 (= 1) Multiply 1 times 7 (= 7) Subtract 7 from 8 (= 1) Bring down the 4</div> <div>Divide 7 into 14 (= 2) Multiply 2 times 7 (= 14) Subtract 14 from 14 (= 0) Bring down the 5</div> <div>Divide 7 into 05 (= 0) Multiply 0 times 7 (= 0) Subtract 0 from 05 (= 5) Done. No more numbers to bring down.</div> | <div><div>(2)</div><div><div>44 R7</div><div>9 403</div><div><div>- 36</div><div>(4 x 9)</div></div><div><div>43</div><div>- 36</div></div><div>Remainder --> 7</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 9 into 40 (= 4) Multiply 4 times 9 (= 36) Subtract 36 from 40 (= 4) Bring down the 3</div> <div>Divide 9 into 43 (= 4) Multiply 4 times 9 (= 36) Subtract 36 from 43 (= 7) Done. No more numbers to bring down.</div> | <div><div>(3)</div><div><div>84 R4</div><div>5 424</div><div><div>- 40</div><div>(8 x 5)</div></div><div><div>24</div><div>- 20</div></div><div>Remainder --> 4</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 5 into 42 (= 8) Multiply 8 times 5 (= 40) Subtract 40 from 42 (= 2) Bring down the 4</div> <div>Divide 5 into 24 (= 4) Multiply 4 times 5 (= 20) Subtract 20 from 24 (= 4) Done. No more numbers to bring down.</div> |
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