

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

<div>(1)</div> <div>5 $\overline{)514}$</div>	<div>(2)</div> <div>3 $\overline{)638}$</div>	<div>(3)</div> <div>4 $\overline{)604}$</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div><div>(1)</div><div><div>102 R4</div><div>5</div><div><div>514</div><div>- 5</div><div>01</div><div>- 0</div><div>14</div><div>- 10</div></div><div><div>(1 x 5)</div><div>(0 x 5)</div><div>(2 x 5)</div></div></div><div>Remainder --> 4</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 5 into 5 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 5 (= 0) Bring down the 1</div><div>Divide 5 into 01 (= 0) Multiply 0 times 5 (= 0) Subtract 0 from 01 (= 1) Bring down the 4</div><div>Divide 5 into 14 (= 2) Multiply 2 times 5 (= 10) Subtract 10 from 14 (= 4) Done. No more numbers to bring down.</div></div>	<div><div>(2)</div><div><div>212 R2</div><div>3</div><div><div>638</div><div>- 6</div><div>03</div><div>- 3</div><div>08</div><div>- 6</div></div><div><div>(2 x 3)</div><div>(1 x 3)</div><div>(2 x 3)</div></div></div><div>Remainder --> 2</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 3 into 6 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 6 (= 0) Bring down the 3</div><div>Divide 3 into 03 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 03 (= 0) Bring down the 8</div><div>Divide 3 into 08 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 08 (= 2) Done. No more numbers to bring down.</div></div>	<div><div>(3)</div><div><div>151 R0</div><div>4</div><div><div>604</div><div>- 4</div><div>20</div><div>- 20</div><div>04</div><div>- 4</div></div><div><div>(1 x 4)</div><div>(5 x 4)</div><div>(1 x 4)</div></div></div><div>Remainder --> 0</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 4 into 6 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 6 (= 2) Bring down the 0</div><div>Divide 4 into 20 (= 5) Multiply 5 times 4 (= 20) Subtract 20 from 20 (= 0) Bring down the 4</div><div>Divide 4 into 04 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 04 (= 0) Done. No more numbers to bring down.</div></div>
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