

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) <div>5 4017977</div>	(2) <div>8 8860090</div>	(3) <div>9 8914301</div>
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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"

<div>(1)</div> <div><div><div>803595 R2</div><div>5</div><div><div>4017977</div><div><div><div>- 40</div><div>(8 x 5)</div></div><div><div>01</div><div><div>- 0</div><div>(0 x 5)</div></div><div><div>17</div><div><div>- 15</div><div>(3 x 5)</div></div><div><div>29</div><div><div>- 25</div><div>(5 x 5)</div></div><div><div>47</div><div><div>- 45</div><div>(9 x 5)</div></div><div><div>27</div><div><div>- 25</div><div>(5 x 5)</div></div></div></div></div><div>Remainder --> 2</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 5 into 40 (= 8)</div><div>Multiply 8 times 5 (= 40)</div><div>Subtract 40 from 40 (= 0)</div><div>Bring down the 1</div><div>Divide 5 into 01 (= 0)</div><div>Multiply 0 times 5 (= 0)</div><div>Subtract 0 from 01 (= 1)</div><div>Bring down the 7</div><div>Divide 5 into 17 (= 3)</div><div>Multiply 3 times 5 (= 15)</div><div>Subtract 15 from 17 (= 2)</div><div>Bring down the 9</div><div>Divide 5 into 29 (= 5)</div><div>Multiply 5 times 5 (= 25)</div><div>Subtract 25 from 29 (= 4)</div><div>Bring down the 7</div><div>Divide 5 into 47 (= 9)</div><div>Multiply 9 times 5 (= 45)</div><div>Subtract 45 from 47 (= 2)</div><div>Bring down the 7</div><div>Divide 5 into 27 (= 5)</div><div>Multiply 5 times 5 (= 25)</div><div>Subtract 25 from 27 (= 2)</div><div>Done. No more numbers to bring down.</div></div></div></div></div></div></div>	<div>(2)</div> <div><div><div>1107511 R2</div><div>8</div><div><div>8860090</div><div><div><div>- 8</div><div>(1 x 8)</div></div><div><div>08</div><div><div>- 8</div><div>(1 x 8)</div></div><div><div>06</div><div><div>- 0</div><div>(0 x 8)</div></div><div><div>60</div><div><div>- 56</div><div>(7 x 8)</div></div><div><div>40</div><div><div>- 40</div><div>(5 x 8)</div></div><div><div>09</div><div><div>- 8</div><div>(1 x 8)</div></div><div><div>10</div><div><div>- 8</div><div>(1 x 8)</div></div></div></div></div><div>Remainder --> 2</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 8 into 8 (= 1)</div><div>Multiply 1 times 8 (= 8)</div><div>Subtract 8 from 8 (= 0)</div><div>Bring down the 8</div><div>Divide 8 into 08 (= 1)</div><div>Multiply 1 times 8 (= 8)</div><div>Subtract 8 from 08 (= 0)</div><div>Bring down the 6</div><div>Divide 8 into 06 (= 0)</div><div>Multiply 0 times 8 (= 0)</div><div>Subtract 0 from 06 (= 6)</div><div>Bring down the 0</div><div>Divide 8 into 60 (= 7)</div><div>Multiply 7 times 8 (= 56)</div><div>Subtract 56 from 60 (= 4)</div><div>Bring down the 0</div><div>Divide 8 into 40 (= 5)</div><div>Multiply 5 times 8 (= 40)</div><div>Subtract 40 from 40 (= 0)</div><div>Bring down the 9</div><div>Divide 8 into 09 (= 1)</div><div>Multiply 1 times 8 (= 8)</div><div>Subtract 8 from 09 (= 1)</div><div>Bring down the 0</div><div>Divide 8 into 10 (= 1)</div><div>Multiply 1 times 8 (= 8)</div><div>Subtract 8 from 10 (= 2)</div><div>Done. No more numbers to bring down.</div></div></div></div></div></div></div></div>	<div>(3)</div> <div><div><div>990477 R8</div><div>9</div><div><div>8914301</div><div><div><div>- 81</div><div>(9 x 9)</div></div><div><div>81</div><div><div>- 81</div><div>(9 x 9)</div></div><div><div>04</div><div><div>- 0</div><div>(0 x 9)</div></div><div><div>43</div><div><div>- 36</div><div>(4 x 9)</div></div><div><div>70</div><div><div>- 63</div><div>(7 x 9)</div></div><div><div>71</div><div><div>- 63</div><div>(7 x 9)</div></div></div></div></div><div>Remainder --> 8</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 9 into 89 (= 9)</div><div>Multiply 9 times 9 (= 81)</div><div>Subtract 81 from 89 (= 8)</div><div>Bring down the 1</div><div>Divide 9 into 81 (= 9)</div><div>Multiply 9 times 9 (= 81)</div><div>Subtract 81 from 81 (= 0)</div><div>Bring down the 4</div><div>Divide 9 into 04 (= 0)</div><div>Multiply 0 times 9 (= 0)</div><div>Subtract 0 from 04 (= 4)</div><div>Bring down the 3</div><div>Divide 9 into 43 (= 4)</div><div>Multiply 4 times 9 (= 36)</div><div>Subtract 36 from 43 (= 7)</div><div>Bring down the 0</div><div>Divide 9 into 70 (= 7)</div><div>Multiply 7 times 9 (= 63)</div><div>Subtract 63 from 70 (= 7)</div><div>Bring down the 1</div><div>Divide 9 into 71 (= 7)</div><div>Multiply 7 times 9 (= 63)</div><div>Subtract 63 from 71 (= 8)</div><div>Done. No more numbers to bring down.</div></div></div></div></div></div></div>
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