

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>8 377279</div>	(2) <div>3 854860</div>	(3) <div>3 620199</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>47159 R7</div><div>8</div><div>377279</div></div><div><div><div>- 32</div><div>(4 x 8)</div></div><div><div>57</div><div>- 56</div><div>(7 x 8)</div><div>12</div><div>- 8</div><div>(1 x 8)</div><div>47</div><div>- 40</div><div>(5 x 8)</div><div>79</div><div>- 72</div><div>(9 x 8)</div></div></div><div>Remainder --> 7</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 8 into 37 (= 4)</div><div>Multiply 4 times 8 (= 32)</div><div>Subtract 32 from 37 (= 5)</div><div>Bring down the 7</div><div>Divide 8 into 57 (= 7)</div><div>Multiply 7 times 8 (= 56)</div><div>Subtract 56 from 57 (= 1)</div><div>Bring down the 2</div><div>Divide 8 into 12 (= 1)</div><div>Multiply 1 times 8 (= 8)</div><div>Subtract 8 from 12 (= 4)</div><div>Bring down the 7</div><div>Divide 8 into 47 (= 5)</div><div>Multiply 5 times 8 (= 40)</div><div>Subtract 40 from 47 (= 7)</div><div>Bring down the 9</div><div>Divide 8 into 79 (= 9)</div><div>Multiply 9 times 8 (= 72)</div><div>Subtract 72 from 79 (= 7)</div><div>Done. No more numbers to bring down.</div></div>	<div>(2)</div> <div><div><div>284953 R1</div><div>3</div><div>854860</div></div><div><div><div>- 6</div><div>(2 x 3)</div></div><div><div>25</div><div>- 24</div><div>(8 x 3)</div><div>14</div><div>- 12</div><div>(4 x 3)</div><div>28</div><div>- 27</div><div>(9 x 3)</div><div>16</div><div>- 15</div><div>(5 x 3)</div><div>10</div><div>- 9</div><div>(3 x 3)</div></div></div><div>Remainder --> 1</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 3 into 8 (= 2)</div><div>Multiply 2 times 3 (= 6)</div><div>Subtract 6 from 8 (= 2)</div><div>Bring down the 5</div><div>Divide 3 into 25 (= 8)</div><div>Multiply 8 times 3 (= 24)</div><div>Subtract 24 from 25 (= 1)</div><div>Bring down the 4</div><div>Divide 3 into 14 (= 4)</div><div>Multiply 4 times 3 (= 12)</div><div>Subtract 12 from 14 (= 2)</div><div>Bring down the 8</div><div>Divide 3 into 28 (= 9)</div><div>Multiply 9 times 3 (= 27)</div><div>Subtract 27 from 28 (= 1)</div><div>Bring down the 6</div><div>Divide 3 into 16 (= 5)</div><div>Multiply 5 times 3 (= 15)</div><div>Subtract 15 from 16 (= 1)</div><div>Bring down the 0</div><div>Divide 3 into 10 (= 3)</div><div>Multiply 3 times 3 (= 9)</div><div>Subtract 9 from 10 (= 1)</div><div>Done. No more numbers to bring down.</div></div>	<div>(3)</div> <div><div><div>206733 R0</div><div>3</div><div>620199</div></div><div><div><div>- 6</div><div>(2 x 3)</div></div><div><div>02</div><div>- 0</div><div>(0 x 3)</div><div>20</div><div>- 18</div><div>(6 x 3)</div><div>21</div><div>- 21</div><div>(7 x 3)</div><div>09</div><div>- 9</div><div>(3 x 3)</div><div>09</div><div>- 9</div><div>(3 x 3)</div></div></div><div>Remainder --> 0</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 3 into 6 (= 2)</div><div>Multiply 2 times 3 (= 6)</div><div>Subtract 6 from 6 (= 0)</div><div>Bring down the 2</div><div>Divide 3 into 02 (= 0)</div><div>Multiply 0 times 3 (= 0)</div><div>Subtract 0 from 02 (= 2)</div><div>Bring down the 0</div><div>Divide 3 into 20 (= 6)</div><div>Multiply 6 times 3 (= 18)</div><div>Subtract 18 from 20 (= 2)</div><div>Bring down the 1</div><div>Divide 3 into 21 (= 7)</div><div>Multiply 7 times 3 (= 21)</div><div>Subtract 21 from 21 (= 0)</div><div>Bring down the 9</div><div>Divide 3 into 09 (= 3)</div><div>Multiply 3 times 3 (= 9)</div><div>Subtract 9 from 09 (= 0)</div><div>Bring down the 9</div><div>Divide 3 into 09 (= 3)</div><div>Multiply 3 times 3 (= 9)</div><div>Subtract 9 from 09 (= 0)</div><div>Done. No more numbers to bring down.</div></div>
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