

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>9 $\overline{)206794}$</div>	<div>(2)</div> <div>4 $\overline{)201377}$</div>	<div>(3)</div> <div>2 $\overline{)126163}$</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>22977 R1</div><div>9<div>206794</div></div><div><div><div>- 18</div><div>(2 x 9)</div></div><div><div>26</div><div>- 18</div><div>(2 x 9)</div></div><div><div>87</div><div>- 81</div><div>(9 x 9)</div></div><div><div>69</div><div>- 63</div><div>(7 x 9)</div></div><div><div>64</div><div>- 63</div><div>(7 x 9)</div></div></div><div>Remainder --> 1</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 9 into 20 (= 2)</div><div>Multiply 2 times 9 (= 18)</div><div>Subtract 18 from 20 (= 2)</div><div>Bring down the 6</div><div>Divide 9 into 26 (= 2)</div><div>Multiply 2 times 9 (= 18)</div><div>Subtract 18 from 26 (= 8)</div><div>Bring down the 7</div><div>Divide 9 into 87 (= 9)</div><div>Multiply 9 times 9 (= 81)</div><div>Subtract 81 from 87 (= 6)</div><div>Bring down the 9</div><div>Divide 9 into 69 (= 7)</div><div>Multiply 7 times 9 (= 63)</div><div>Subtract 63 from 69 (= 6)</div><div>Bring down the 4</div><div>Divide 9 into 64 (= 7)</div><div>Multiply 7 times 9 (= 63)</div><div>Subtract 63 from 64 (= 1)</div><div>Done. No more numbers to bring down.</div></div></div>	<div>(2)<div><div>50344 R1</div><div>4<div>201377</div></div><div><div><div>- 20</div><div>(5 x 4)</div></div><div><div>01</div><div>- 0</div><div>(0 x 4)</div></div><div><div>13</div><div>- 12</div><div>(3 x 4)</div></div><div><div>17</div><div>- 16</div><div>(4 x 4)</div></div><div><div>17</div><div>- 16</div><div>(4 x 4)</div></div></div><div>Remainder --> 1</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 4 into 20 (= 5)</div><div>Multiply 5 times 4 (= 20)</div><div>Subtract 20 from 20 (= 0)</div><div>Bring down the 1</div><div>Divide 4 into 01 (= 0)</div><div>Multiply 0 times 4 (= 0)</div><div>Subtract 0 from 01 (= 1)</div><div>Bring down the 3</div><div>Divide 4 into 13 (= 3)</div><div>Multiply 3 times 4 (= 12)</div><div>Subtract 12 from 13 (= 1)</div><div>Bring down the 7</div><div>Divide 4 into 17 (= 4)</div><div>Multiply 4 times 4 (= 16)</div><div>Subtract 16 from 17 (= 1)</div><div>Bring down the 7</div><div>Divide 4 into 17 (= 4)</div><div>Multiply 4 times 4 (= 16)</div><div>Subtract 16 from 17 (= 1)</div><div>Done. No more numbers to bring down.</div></div></div>	<div>(3)<div><div>63081 R1</div><div>2<div>126163</div></div><div><div><div>- 12</div><div>(6 x 2)</div></div><div><div>06</div><div>- 6</div><div>(3 x 2)</div></div><div><div>01</div><div>- 0</div><div>(0 x 2)</div></div><div><div>16</div><div>- 16</div><div>(8 x 2)</div></div><div><div>03</div><div>- 2</div><div>(1 x 2)</div></div></div><div>Remainder --> 1</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 2 into 12 (= 6)</div><div>Multiply 6 times 2 (= 12)</div><div>Subtract 12 from 12 (= 0)</div><div>Bring down the 6</div><div>Divide 2 into 06 (= 3)</div><div>Multiply 3 times 2 (= 6)</div><div>Subtract 6 from 06 (= 0)</div><div>Bring down the 1</div><div>Divide 2 into 01 (= 0)</div><div>Multiply 0 times 2 (= 0)</div><div>Subtract 0 from 01 (= 1)</div><div>Bring down the 6</div><div>Divide 2 into 16 (= 8)</div><div>Multiply 8 times 2 (= 16)</div><div>Subtract 16 from 16 (= 0)</div><div>Bring down the 3</div><div>Divide 2 into 03 (= 1)</div><div>Multiply 1 times 2 (= 2)</div><div>Subtract 2 from 03 (= 1)</div><div>Done. No more numbers to bring down.</div></div></div>
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