

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>19 421430</div>	(2) <div>18 864291</div>	(3) <div>81 232713</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><div>22180 R10</div><div>19 421430</div><div><div><div>- 38</div><div>(2 x 19)</div></div><div><div>41</div><div>- 38</div><div>(2 x 19)</div></div><div><div>34</div><div>- 19</div><div>(1 x 19)</div></div><div><div>153</div><div>- 152</div><div>(8 x 19)</div></div><div><div>10</div><div>- 0</div><div>(0 x 19)</div></div></div><div>Remainder --> 10</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 19 into 42 (= 2)</div><div>Multiply 2 times 19 (= 38)</div><div>Subtract 38 from 42 (= 4)</div><div>Bring down the 1</div><div>Divide 19 into 41 (= 2)</div><div>Multiply 2 times 19 (= 38)</div><div>Subtract 38 from 41 (= 3)</div><div>Bring down the 4</div><div>Divide 19 into 34 (= 1)</div><div>Multiply 1 times 19 (= 19)</div><div>Subtract 19 from 34 (= 15)</div><div>Bring down the 3</div><div>Divide 19 into 153 (= 8)</div><div>Multiply 8 times 19 (= 152)</div><div>Subtract 152 from 153 (= 1)</div><div>Bring down the 0</div><div>Divide 19 into 10 (= 0)</div><div>Multiply 0 times 19 (= 0)</div><div>Subtract 0 from 10 (= 10)</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(2)</div><div><div><div>48016 R3</div><div>18 864291</div><div><div><div>- 72</div><div>(4 x 18)</div></div><div><div>144</div><div>- 144</div><div>(8 x 18)</div></div><div><div>02</div><div>- 0</div><div>(0 x 18)</div></div><div><div>29</div><div>- 18</div><div>(1 x 18)</div></div><div><div>111</div><div>- 108</div><div>(6 x 18)</div></div></div><div>Remainder --> 3</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 18 into 86 (= 4)</div><div>Multiply 4 times 18 (= 72)</div><div>Subtract 72 from 86 (= 14)</div><div>Bring down the 4</div><div>Divide 18 into 144 (= 8)</div><div>Multiply 8 times 18 (= 144)</div><div>Subtract 144 from 144 (= 0)</div><div>Bring down the 2</div><div>Divide 18 into 02 (= 0)</div><div>Multiply 0 times 18 (= 0)</div><div>Subtract 0 from 02 (= 2)</div><div>Bring down the 9</div><div>Divide 18 into 29 (= 1)</div><div>Multiply 1 times 18 (= 18)</div><div>Subtract 18 from 29 (= 11)</div><div>Bring down the 1</div><div>Divide 18 into 111 (= 6)</div><div>Multiply 6 times 18 (= 108)</div><div>Subtract 108 from 111 (= 3)</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(3)</div><div><div><div>2873 R0</div><div>81 232713</div><div><div><div>- 162</div><div>(2 x 81)</div></div><div><div>707</div><div>- 648</div><div>(8 x 81)</div></div><div><div>591</div><div>- 567</div><div>(7 x 81)</div></div><div><div>243</div><div>- 243</div><div>(3 x 81)</div></div></div><div>Remainder --> 0</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 81 into 232 (= 2)</div><div>Multiply 2 times 81 (= 162)</div><div>Subtract 162 from 232 (= 70)</div><div>Bring down the 7</div><div>Divide 81 into 707 (= 8)</div><div>Multiply 8 times 81 (= 648)</div><div>Subtract 648 from 707 (= 59)</div><div>Bring down the 1</div><div>Divide 81 into 591 (= 7)</div><div>Multiply 7 times 81 (= 567)</div><div>Subtract 567 from 591 (= 24)</div><div>Bring down the 3</div><div>Divide 81 into 243 (= 3)</div><div>Multiply 3 times 81 (= 243)</div><div>Subtract 243 from 243 (= 0)</div><div>Done. No more numbers to bring down.</div></div></div>
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