

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

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| (1) <div>29 804210</div> | (2) <div>97 408599</div> | (3) <div>77 687630</div> |
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

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| <div><div>(1)</div><div><div><div>27731 R11</div><div>29 <div>804210</div></div><div><div><div>- 58</div><div>(2 x 29)</div></div><div><div>224</div><div>- 203</div><div>(7 x 29)</div><div>212</div><div>- 203</div><div>(7 x 29)</div><div>91</div><div>- 87</div><div>(3 x 29)</div><div>40</div><div>- 29</div><div>(1 x 29)</div></div><div>11</div></div></div><div>Remainder --></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 29 into 80 (= 2)</div><div>Multiply 2 times 29 (= 58)</div><div>Subtract 58 from 80 (= 22)</div><div>Bring down the 4</div><div>Divide 29 into 224 (= 7)</div><div>Multiply 7 times 29 (= 203)</div><div>Subtract 203 from 224 (= 21)</div><div>Bring down the 2</div><div>Divide 29 into 212 (= 7)</div><div>Multiply 7 times 29 (= 203)</div><div>Subtract 203 from 212 (= 9)</div><div>Bring down the 1</div><div>Divide 29 into 91 (= 3)</div><div>Multiply 3 times 29 (= 87)</div><div>Subtract 87 from 91 (= 4)</div><div>Bring down the 0</div><div>Divide 29 into 40 (= 1)</div><div>Multiply 1 times 29 (= 29)</div><div>Subtract 29 from 40 (= 11)</div><div>Done. No more numbers to bring down.</div></div></div></div> | <div><div>(2)</div><div><div><div>4212 R35</div><div>97 <div>408599</div></div><div><div><div>- 388</div><div>(4 x 97)</div></div><div><div>205</div><div>- 194</div><div>(2 x 97)</div><div>119</div><div>- 97</div><div>(1 x 97)</div><div>229</div><div>- 194</div><div>(2 x 97)</div></div><div>35</div></div></div><div>Remainder --></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 97 into 408 (= 4)</div><div>Multiply 4 times 97 (= 388)</div><div>Subtract 388 from 408 (= 20)</div><div>Bring down the 5</div><div>Divide 97 into 205 (= 2)</div><div>Multiply 2 times 97 (= 194)</div><div>Subtract 194 from 205 (= 11)</div><div>Bring down the 9</div><div>Divide 97 into 119 (= 1)</div><div>Multiply 1 times 97 (= 97)</div><div>Subtract 97 from 119 (= 22)</div><div>Bring down the 9</div><div>Divide 97 into 229 (= 2)</div><div>Multiply 2 times 97 (= 194)</div><div>Subtract 194 from 229 (= 35)</div><div>Done. No more numbers to bring down.</div></div></div></div> | <div><div>(3)</div><div><div><div>8930 R20</div><div>77 <div>687630</div></div><div><div><div>- 616</div><div>(8 x 77)</div></div><div><div>716</div><div>- 693</div><div>(9 x 77)</div><div>233</div><div>- 231</div><div>(3 x 77)</div><div>20</div><div>- 0</div><div>(0 x 77)</div></div><div>20</div></div></div><div>Remainder --></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 77 into 687 (= 8)</div><div>Multiply 8 times 77 (= 616)</div><div>Subtract 616 from 687 (= 71)</div><div>Bring down the 6</div><div>Divide 77 into 716 (= 9)</div><div>Multiply 9 times 77 (= 693)</div><div>Subtract 693 from 716 (= 23)</div><div>Bring down the 3</div><div>Divide 77 into 233 (= 3)</div><div>Multiply 3 times 77 (= 231)</div><div>Subtract 231 from 233 (= 2)</div><div>Bring down the 0</div><div>Divide 77 into 20 (= 0)</div><div>Multiply 0 times 77 (= 0)</div><div>Subtract 0 from 20 (= 20)</div><div>Done. No more numbers to bring down.</div></div></div></div> |
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