

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>68 2745500</div> | (2) <div>81 8501896</div> | (3) <div>31 5624552</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"

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| <p>(1)</p> <div> <div> <div>40375 R0</div> <div> <div>68</div> <div> <div>2745500</div> <div> <div>- 272</div> <div>(4 x 68)</div> <div>25</div> <div> <div>- 0</div> <div>(0 x 68)</div> <div>255</div> <div> <div>- 204</div> <div>(3 x 68)</div> <div>510</div> <div> <div>- 476</div> <div>(7 x 68)</div> <div>340</div> <div> <div>- 340</div> <div>(5 x 68)</div> <div>0</div> </div> </div> </div> </div> <div>Remainder --></div> </div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div> <div>Divide 68 into 274 (= 4)</div> <div>Multiply 4 times 68 (= 272)</div> <div>Subtract 272 from 274 (= 2)</div> <div>Bring down the 5</div> <div>Divide 68 into 25 (= 0)</div> <div>Multiply 0 times 68 (= 0)</div> <div>Subtract 0 from 25 (= 25)</div> <div>Bring down the 5</div> <div>Divide 68 into 255 (= 3)</div> <div>Multiply 3 times 68 (= 204)</div> <div>Subtract 204 from 255 (= 51)</div> <div>Bring down the 0</div> <div>Divide 68 into 510 (= 7)</div> <div>Multiply 7 times 68 (= 476)</div> <div>Subtract 476 from 510 (= 34)</div> <div>Bring down the 0</div> <div>Divide 68 into 340 (= 5)</div> <div>Multiply 5 times 68 (= 340)</div> <div>Subtract 340 from 340 (= 0)</div> <div>Done. No more numbers to bring down.</div> </div> </div></div></div></div> | <p>(2)</p> <div> <div> <div>104961 R55</div> <div> <div>81</div> <div> <div>8501896</div> <div> <div>- 81</div> <div>(1 x 81)</div> <div>40</div> <div> <div>- 0</div> <div>(0 x 81)</div> <div>401</div> <div> <div>- 324</div> <div>(4 x 81)</div> <div>778</div> <div> <div>- 729</div> <div>(9 x 81)</div> <div>499</div> <div> <div>- 486</div> <div>(6 x 81)</div> <div>136</div> <div> <div>- 81</div> <div>(1 x 81)</div> <div>55</div> </div> </div> </div> </div> <div>Remainder --></div> </div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div> <div>Divide 81 into 85 (= 1)</div> <div>Multiply 1 times 81 (= 81)</div> <div>Subtract 81 from 85 (= 4)</div> <div>Bring down the 0</div> <div>Divide 81 into 40 (= 0)</div> <div>Multiply 0 times 81 (= 0)</div> <div>Subtract 0 from 40 (= 40)</div> <div>Bring down the 1</div> <div>Divide 81 into 401 (= 4)</div> <div>Multiply 4 times 81 (= 324)</div> <div>Subtract 324 from 401 (= 77)</div> <div>Bring down the 8</div> <div>Divide 81 into 778 (= 9)</div> <div>Multiply 9 times 81 (= 729)</div> <div>Subtract 729 from 778 (= 49)</div> <div>Bring down the 9</div> <div>Divide 81 into 499 (= 6)</div> <div>Multiply 6 times 81 (= 486)</div> <div>Subtract 486 from 499 (= 13)</div> <div>Bring down the 6</div> <div>Divide 81 into 136 (= 1)</div> <div>Multiply 1 times 81 (= 81)</div> <div>Subtract 81 from 136 (= 55)</div> <div>Done. No more numbers to bring down.</div> </div> </div></div></div></div></div> | <p>(3)</p> <div> <div> <div>181437 R5</div> <div> <div>31</div> <div> <div>5624552</div> <div> <div>- 31</div> <div>(1 x 31)</div> <div>252</div> <div> <div>- 248</div> <div>(8 x 31)</div> <div>44</div> <div> <div>- 31</div> <div>(1 x 31)</div> <div>135</div> <div> <div>- 124</div> <div>(4 x 31)</div> <div>115</div> <div> <div>- 93</div> <div>(3 x 31)</div> <div>222</div> <div> <div>- 217</div> <div>(7 x 31)</div> <div>5</div> </div> </div> </div> </div> <div>Remainder --></div> </div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div> <div>Divide 31 into 56 (= 1)</div> <div>Multiply 1 times 31 (= 31)</div> <div>Subtract 31 from 56 (= 25)</div> <div>Bring down the 2</div> <div>Divide 31 into 252 (= 8)</div> <div>Multiply 8 times 31 (= 248)</div> <div>Subtract 248 from 252 (= 4)</div> <div>Bring down the 4</div> <div>Divide 31 into 44 (= 1)</div> <div>Multiply 1 times 31 (= 31)</div> <div>Subtract 31 from 44 (= 13)</div> <div>Bring down the 5</div> <div>Divide 31 into 135 (= 4)</div> <div>Multiply 4 times 31 (= 124)</div> <div>Subtract 124 from 135 (= 11)</div> <div>Bring down the 5</div> <div>Divide 31 into 115 (= 3)</div> <div>Multiply 3 times 31 (= 93)</div> <div>Subtract 93 from 115 (= 22)</div> <div>Bring down the 2</div> <div>Divide 31 into 222 (= 7)</div> <div>Multiply 7 times 31 (= 217)</div> <div>Subtract 217 from 222 (= 5)</div> <div>Done. No more numbers to bring down.</div> </div> </div></div></div></div></div> |
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