

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>3 518080</div>	(2) <div>9 583245</div>	(3) <div>4 925411</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>172693 R1</div><div>3</div><div><div>518080</div><div><div><div>- 3</div><div>(1 x 3)</div></div><div><div>21</div><div>- 21</div><div>(7 x 3)</div></div><div><div>08</div><div>- 6</div><div>(2 x 3)</div></div><div><div>20</div><div>- 18</div><div>(6 x 3)</div></div><div><div>28</div><div>- 27</div><div>(9 x 3)</div></div><div><div>10</div><div>- 9</div><div>(3 x 3)</div></div></div><div>Remainder --> 1</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 3 into 5 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 5 (= 2) Bring down the 1</div><div>Divide 3 into 21 (= 7) Multiply 7 times 3 (= 21) Subtract 21 from 21 (= 0) Bring down the 8</div><div>Divide 3 into 08 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 08 (= 2) Bring down the 0</div><div>Divide 3 into 20 (= 6) Multiply 6 times 3 (= 18) Subtract 18 from 20 (= 2) Bring down the 8</div><div>Divide 3 into 28 (= 9) Multiply 9 times 3 (= 27) Subtract 27 from 28 (= 1) Bring down the 0</div><div>Divide 3 into 10 (= 3) Multiply 3 times 3 (= 9) Subtract 9 from 10 (= 1) Done. No more numbers to bring down.</div></div>	<div><div>(2)</div><div><div>64805 R0</div><div>9</div><div><div>583245</div><div><div><div>- 54</div><div>(6 x 9)</div></div><div><div>43</div><div>- 36</div><div>(4 x 9)</div></div><div><div>72</div><div>- 72</div><div>(8 x 9)</div></div><div><div>04</div><div>- 0</div><div>(0 x 9)</div></div><div><div>45</div><div>- 45</div><div>(5 x 9)</div></div></div><div>Remainder --> 0</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 9 into 58 (= 6) Multiply 6 times 9 (= 54) Subtract 54 from 58 (= 4) Bring down the 3</div><div>Divide 9 into 43 (= 4) Multiply 4 times 9 (= 36) Subtract 36 from 43 (= 7) Bring down the 2</div><div>Divide 9 into 72 (= 8) Multiply 8 times 9 (= 72) Subtract 72 from 72 (= 0) Bring down the 4</div><div>Divide 9 into 04 (= 0) Multiply 0 times 9 (= 0) Subtract 0 from 04 (= 4) Bring down the 5</div><div>Divide 9 into 45 (= 5) Multiply 5 times 9 (= 45) Subtract 45 from 45 (= 0) Done. No more numbers to bring down.</div></div>	<div><div>(3)</div><div><div>231352 R3</div><div>4</div><div><div>925411</div><div><div><div>- 8</div><div>(2 x 4)</div></div><div><div>12</div><div>- 12</div><div>(3 x 4)</div></div><div><div>05</div><div>- 4</div><div>(1 x 4)</div></div><div><div>14</div><div>- 12</div><div>(3 x 4)</div></div><div><div>21</div><div>- 20</div><div>(5 x 4)</div></div><div><div>11</div><div>- 8</div><div>(2 x 4)</div></div></div><div>Remainder --> 3</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 4 into 9 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 9 (= 1) Bring down the 2</div><div>Divide 4 into 12 (= 3) Multiply 3 times 4 (= 12) Subtract 12 from 12 (= 0) Bring down the 5</div><div>Divide 4 into 05 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 05 (= 1) Bring down the 4</div><div>Divide 4 into 14 (= 3) Multiply 3 times 4 (= 12) Subtract 12 from 14 (= 2) Bring down the 1</div><div>Divide 4 into 21 (= 5) Multiply 5 times 4 (= 20) Subtract 20 from 21 (= 1) Bring down the 1</div><div>Divide 4 into 11 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 11 (= 3) Done. No more numbers to bring down.</div></div>
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