

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 28143</div>	(2) <div>2 24808</div>	(3) <div>7 62913</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><div>(1)</div><div><div>9381 R0</div><div>3 <div>28143</div></div><div><div>- 27</div><div>(9 x 3)</div></div><div><div>11</div><div>- 9</div><div>(3 x 3)</div></div><div><div>24</div><div>- 24</div><div>(8 x 3)</div></div><div><div>03</div><div>- 3</div><div>(1 x 3)</div></div><div>Remainder --> 0</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 3 into 28 (= 9)</div><div>Multiply 9 times 3 (= 27)</div><div>Subtract 27 from 28 (= 1)</div><div>Bring down the 1</div><div>Divide 3 into 11 (= 3)</div><div>Multiply 3 times 3 (= 9)</div><div>Subtract 9 from 11 (= 2)</div><div>Bring down the 4</div><div>Divide 3 into 24 (= 8)</div><div>Multiply 8 times 3 (= 24)</div><div>Subtract 24 from 24 (= 0)</div><div>Bring down the 3</div><div>Divide 3 into 03 (= 1)</div><div>Multiply 1 times 3 (= 3)</div><div>Subtract 3 from 03 (= 0)</div><div>Done. No more numbers to bring down.</div></div>	<div><div>(2)</div><div><div>12404 R0</div><div>2 <div>24808</div></div><div><div>- 2</div><div>(1 x 2)</div></div><div><div>04</div><div>- 4</div><div>(2 x 2)</div></div><div><div>08</div><div>- 8</div><div>(4 x 2)</div></div><div><div>00</div><div>- 0</div><div>(0 x 2)</div></div><div><div>08</div><div>- 8</div><div>(4 x 2)</div></div><div>Remainder --> 0</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 2 into 2 (= 1)</div><div>Multiply 1 times 2 (= 2)</div><div>Subtract 2 from 2 (= 0)</div><div>Bring down the 4</div><div>Divide 2 into 04 (= 2)</div><div>Multiply 2 times 2 (= 4)</div><div>Subtract 4 from 04 (= 0)</div><div>Bring down the 8</div><div>Divide 2 into 08 (= 4)</div><div>Multiply 4 times 2 (= 8)</div><div>Subtract 8 from 08 (= 0)</div><div>Bring down the 0</div><div>Divide 2 into 00 (= 0)</div><div>Multiply 0 times 2 (= 0)</div><div>Subtract 0 from 00 (= 0)</div><div>Bring down the 8</div><div>Divide 2 into 08 (= 4)</div><div>Multiply 4 times 2 (= 8)</div><div>Subtract 8 from 08 (= 0)</div><div>Done. No more numbers to bring down.</div></div>	<div><div>(3)</div><div><div>8987 R4</div><div>7 <div>62913</div></div><div><div>- 56</div><div>(8 x 7)</div></div><div><div>69</div><div>- 63</div><div>(9 x 7)</div></div><div><div>61</div><div>- 56</div><div>(8 x 7)</div></div><div><div>53</div><div>- 49</div><div>(7 x 7)</div></div><div>Remainder --> 4</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 7 into 62 (= 8)</div><div>Multiply 8 times 7 (= 56)</div><div>Subtract 56 from 62 (= 6)</div><div>Bring down the 9</div><div>Divide 7 into 69 (= 9)</div><div>Multiply 9 times 7 (= 63)</div><div>Subtract 63 from 69 (= 6)</div><div>Bring down the 1</div><div>Divide 7 into 61 (= 8)</div><div>Multiply 8 times 7 (= 56)</div><div>Subtract 56 from 61 (= 5)</div><div>Bring down the 3</div><div>Divide 7 into 53 (= 7)</div><div>Multiply 7 times 7 (= 49)</div><div>Subtract 49 from 53 (= 4)</div><div>Done. No more numbers to bring down.</div></div>
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