

# 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>7   730541</div>	(2) <div>9   138518</div>	(3) <div>8   214303</div>
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# Solved Long Division Problems with Step-By-Step Walkthrough

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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>104363 R0</div><div>7 <div><div>730541</div><div><div><div><div>- 7</div><div>( 1 x 7 )</div></div><div><div>03</div><div><div>- 0</div><div>( 0 x 7 )</div></div><div><div>30</div><div><div>- 28</div><div>( 4 x 7 )</div></div><div><div>25</div><div><div>- 21</div><div>( 3 x 7 )</div></div><div><div>44</div><div><div>- 42</div><div>( 6 x 7 )</div></div><div><div>21</div><div><div>- 21</div><div>( 3 x 7 )</div></div></div></div><div>0</div></div></div><div>Remainder --&gt;</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 7 into 7 ( = 1 )</div><div>Multiply 1 times 7 ( = 7 )</div><div>Subtract 7 from 7 ( = 0 )</div><div>Bring down the 3</div><div>Divide 7 into 03 ( = 0 )</div><div>Multiply 0 times 7 ( = 0 )</div><div>Subtract 0 from 03 ( = 3 )</div><div>Bring down the 0</div><div>Divide 7 into 30 ( = 4 )</div><div>Multiply 4 times 7 ( = 28 )</div><div>Subtract 28 from 30 ( = 2 )</div><div>Bring down the 5</div><div>Divide 7 into 25 ( = 3 )</div><div>Multiply 3 times 7 ( = 21 )</div><div>Subtract 21 from 25 ( = 4 )</div><div>Bring down the 4</div><div>Divide 7 into 44 ( = 6 )</div><div>Multiply 6 times 7 ( = 42 )</div><div>Subtract 42 from 44 ( = 2 )</div><div>Bring down the 1</div><div>Divide 7 into 21 ( = 3 )</div><div>Multiply 3 times 7 ( = 21 )</div><div>Subtract 21 from 21 ( = 0 )</div><div>Done. No more numbers to bring down.</div></div></div></div></div></div></div></div></div>	<div><div>(2)</div><div><div><div>15390 R8</div><div>9 <div><div>138518</div><div><div><div><div>- 9</div><div>( 1 x 9 )</div></div><div><div>48</div><div><div>- 45</div><div>( 5 x 9 )</div></div><div><div>35</div><div><div>- 27</div><div>( 3 x 9 )</div></div><div><div>81</div><div><div>- 81</div><div>( 9 x 9 )</div></div><div><div>08</div><div><div>- 0</div><div>( 0 x 9 )</div></div></div></div><div>8</div></div></div><div>Remainder --&gt;</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 9 into 13 ( = 1 )</div><div>Multiply 1 times 9 ( = 9 )</div><div>Subtract 9 from 13 ( = 4 )</div><div>Bring down the 8</div><div>Divide 9 into 48 ( = 5 )</div><div>Multiply 5 times 9 ( = 45 )</div><div>Subtract 45 from 48 ( = 3 )</div><div>Bring down the 5</div><div>Divide 9 into 35 ( = 3 )</div><div>Multiply 3 times 9 ( = 27 )</div><div>Subtract 27 from 35 ( = 8 )</div><div>Bring down the 1</div><div>Divide 9 into 81 ( = 9 )</div><div>Multiply 9 times 9 ( = 81 )</div><div>Subtract 81 from 81 ( = 0 )</div><div>Bring down the 8</div><div>Divide 9 into 08 ( = 0 )</div><div>Multiply 0 times 9 ( = 0 )</div><div>Subtract 0 from 08 ( = 8 )</div><div>Done. No more numbers to bring down.</div></div></div></div></div></div></div></div>	<div><div>(3)</div><div><div><div>26787 R7</div><div>8 <div><div>214303</div><div><div><div><div>- 16</div><div>( 2 x 8 )</div></div><div><div>54</div><div><div>- 48</div><div>( 6 x 8 )</div></div><div><div>63</div><div><div>- 56</div><div>( 7 x 8 )</div></div><div><div>70</div><div><div>- 64</div><div>( 8 x 8 )</div></div><div><div>63</div><div><div>- 56</div><div>( 7 x 8 )</div></div></div></div><div>7</div></div></div><div>Remainder --&gt;</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 8 into 21 ( = 2 )</div><div>Multiply 2 times 8 ( = 16 )</div><div>Subtract 16 from 21 ( = 5 )</div><div>Bring down the 4</div><div>Divide 8 into 54 ( = 6 )</div><div>Multiply 6 times 8 ( = 48 )</div><div>Subtract 48 from 54 ( = 6 )</div><div>Bring down the 3</div><div>Divide 8 into 63 ( = 7 )</div><div>Multiply 7 times 8 ( = 56 )</div><div>Subtract 56 from 63 ( = 7 )</div><div>Bring down the 0</div><div>Divide 8 into 70 ( = 8 )</div><div>Multiply 8 times 8 ( = 64 )</div><div>Subtract 64 from 70 ( = 6 )</div><div>Bring down the 3</div><div>Divide 8 into 63 ( = 7 )</div><div>Multiply 7 times 8 ( = 56 )</div><div>Subtract 56 from 63 ( = 7 )</div><div>Done. No more numbers to bring down.</div></div></div></div></div></div></div></div>
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