

# 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   50890</div>	(2) <div>9   91230</div>	(3) <div>4   38130</div>
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# 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

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)</div> <div><div><div>16963 R1</div><div>3</div><div>50890</div><div>- 3</div><div>20</div><div>- 18</div><div>28</div><div>- 27</div><div>19</div><div>- 18</div><div>10</div><div>- 9</div><div>1</div></div><div><div>( 1 x 3 )</div><div>( 6 x 3 )</div><div>( 9 x 3 )</div><div>( 6 x 3 )</div><div>( 3 x 3 )</div></div></div> <div>Remainder --&gt;</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 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 9</div> <div>Divide 3 into 19 ( = 6 ) Multiply 6 times 3 ( = 18 ) Subtract 18 from 19 ( = 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>(2)</div> <div><div><div>10136 R6</div><div>9</div><div>91230</div><div>- 9</div><div>01</div><div>- 0</div><div>12</div><div>- 9</div><div>33</div><div>- 27</div><div>60</div><div>- 54</div><div>6</div></div><div><div>( 1 x 9 )</div><div>( 0 x 9 )</div><div>( 1 x 9 )</div><div>( 3 x 9 )</div><div>( 6 x 9 )</div></div></div> <div>Remainder --&gt;</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 9 into 9 ( = 1 ) Multiply 1 times 9 ( = 9 ) Subtract 9 from 9 ( = 0 ) Bring down the 1</div> <div>Divide 9 into 01 ( = 0 ) Multiply 0 times 9 ( = 0 ) Subtract 0 from 01 ( = 1 ) Bring down the 2</div> <div>Divide 9 into 12 ( = 1 ) Multiply 1 times 9 ( = 9 ) Subtract 9 from 12 ( = 3 ) Bring down the 3</div> <div>Divide 9 into 33 ( = 3 ) Multiply 3 times 9 ( = 27 ) Subtract 27 from 33 ( = 6 ) Bring down the 0</div> <div>Divide 9 into 60 ( = 6 ) Multiply 6 times 9 ( = 54 ) Subtract 54 from 60 ( = 6 ) Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>9532 R2</div><div>4</div><div>38130</div><div>- 36</div><div>21</div><div>- 20</div><div>13</div><div>- 12</div><div>10</div><div>- 8</div><div>2</div></div><div><div>( 9 x 4 )</div><div>( 5 x 4 )</div><div>( 3 x 4 )</div><div>( 2 x 4 )</div></div></div> <div>Remainder --&gt;</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 4 into 38 ( = 9 ) Multiply 9 times 4 ( = 36 ) Subtract 36 from 38 ( = 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 3</div> <div>Divide 4 into 13 ( = 3 ) Multiply 3 times 4 ( = 12 ) Subtract 12 from 13 ( = 1 ) Bring down the 0</div> <div>Divide 4 into 10 ( = 2 ) Multiply 2 times 4 ( = 8 ) Subtract 8 from 10 ( = 2 ) Done. No more numbers to bring down.</div>
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