

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

<div>(1)</div> <div>4 $\overline{)5306}$</div>	<div>(2)</div> <div>9 $\overline{)5718}$</div>	<div>(3)</div> <div>2 $\overline{)6561}$</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>(1)</div> <div><div><div>1326 R2</div><div>4</div><div>5306</div><div>- 4</div><div>13</div><div>- 12</div><div>10</div><div>- 8</div><div>26</div><div>- 24</div><div>2</div></div><div><div>(1 x 4)</div><div>(3 x 4)</div><div>(2 x 4)</div><div>(6 x 4)</div></div></div> <div>Remainder --> 2</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 4 into 5 (= 1)</div> <div>Multiply 1 times 4 (= 4)</div> <div>Subtract 4 from 5 (= 1)</div> <div>Bring down the 3</div> <div>Divide 4 into 13 (= 3)</div> <div>Multiply 3 times 4 (= 12)</div> <div>Subtract 12 from 13 (= 1)</div> <div>Bring down the 0</div> <div>Divide 4 into 10 (= 2)</div> <div>Multiply 2 times 4 (= 8)</div> <div>Subtract 8 from 10 (= 2)</div> <div>Bring down the 6</div> <div>Divide 4 into 26 (= 6)</div> <div>Multiply 6 times 4 (= 24)</div> <div>Subtract 24 from 26 (= 2)</div> <div>Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>635 R3</div><div>9</div><div>5718</div><div>- 54</div><div>31</div><div>- 27</div><div>48</div><div>- 45</div><div>3</div></div><div><div>(6 x 9)</div><div>(3 x 9)</div><div>(5 x 9)</div></div></div> <div>Remainder --> 3</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 9 into 57 (= 6)</div> <div>Multiply 6 times 9 (= 54)</div> <div>Subtract 54 from 57 (= 3)</div> <div>Bring down the 1</div> <div>Divide 9 into 31 (= 3)</div> <div>Multiply 3 times 9 (= 27)</div> <div>Subtract 27 from 31 (= 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>Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>3280 R1</div><div>2</div><div>6561</div><div>- 6</div><div>05</div><div>- 4</div><div>16</div><div>- 16</div><div>01</div><div>- 0</div><div>1</div></div><div><div>(3 x 2)</div><div>(2 x 2)</div><div>(8 x 2)</div><div>(0 x 2)</div></div></div> <div>Remainder --> 1</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 2 into 6 (= 3)</div> <div>Multiply 3 times 2 (= 6)</div> <div>Subtract 6 from 6 (= 0)</div> <div>Bring down the 5</div> <div>Divide 2 into 05 (= 2)</div> <div>Multiply 2 times 2 (= 4)</div> <div>Subtract 4 from 05 (= 1)</div> <div>Bring down the 6</div> <div>Divide 2 into 16 (= 8)</div> <div>Multiply 8 times 2 (= 16)</div> <div>Subtract 16 from 16 (= 0)</div> <div>Bring down the 1</div> <div>Divide 2 into 01 (= 0)</div> <div>Multiply 0 times 2 (= 0)</div> <div>Subtract 0 from 01 (= 1)</div> <div>Done. No more numbers to bring down.</div>
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