

# 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 <math>\overline{)8760}</math></div>	(2) <div>6 <math>\overline{)2399}</math></div>	(3) <div>9 <math>\overline{)9330}</math></div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)</div> <div><div><div>1251 R3</div><div>7 <div>8760</div></div><div><div><div>- 7</div><div>( 1 x 7 )</div></div><div><div>17</div><div>( 2 x 7 )</div></div><div><div>- 14</div><div>( 5 x 7 )</div></div><div><div>36</div><div>( 1 x 7 )</div></div><div><div>- 35</div><div></div></div><div><div>10</div><div></div></div><div><div>- 7</div><div></div></div><div><div>3</div><div></div></div></div></div><div>Remainder --&gt;</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 7 into 8 ( = 1 ) Multiply 1 times 7 ( = 7 ) Subtract 7 from 8 ( = 1 ) Bring down the 7</div> <div>Divide 7 into 17 ( = 2 ) Multiply 2 times 7 ( = 14 ) Subtract 14 from 17 ( = 3 ) Bring down the 6</div> <div>Divide 7 into 36 ( = 5 ) Multiply 5 times 7 ( = 35 ) Subtract 35 from 36 ( = 1 ) Bring down the 0</div> <div>Divide 7 into 10 ( = 1 ) Multiply 1 times 7 ( = 7 ) Subtract 7 from 10 ( = 3 ) Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>399 R5</div><div>6 <div>2399</div></div><div><div><div>- 18</div><div>( 3 x 6 )</div></div><div><div>59</div><div>( 9 x 6 )</div></div><div><div>- 54</div><div>( 9 x 6 )</div></div><div><div>59</div><div></div></div><div><div>- 54</div><div></div></div><div><div>5</div><div></div></div></div></div><div>Remainder --&gt;</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 6 into 23 ( = 3 ) Multiply 3 times 6 ( = 18 ) Subtract 18 from 23 ( = 5 ) Bring down the 9</div> <div>Divide 6 into 59 ( = 9 ) Multiply 9 times 6 ( = 54 ) Subtract 54 from 59 ( = 5 ) Bring down the 9</div> <div>Divide 6 into 59 ( = 9 ) Multiply 9 times 6 ( = 54 ) Subtract 54 from 59 ( = 5 ) Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>1036 R6</div><div>9 <div>9330</div></div><div><div><div>- 9</div><div>( 1 x 9 )</div></div><div><div>03</div><div>( 0 x 9 )</div></div><div><div>- 0</div><div></div></div><div><div>33</div><div>( 3 x 9 )</div></div><div><div>- 27</div><div></div></div><div><div>60</div><div></div></div><div><div>- 54</div><div></div></div><div><div>6</div><div></div></div></div></div><div>Remainder --&gt;</div></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 3</div> <div>Divide 9 into 03 ( = 0 ) Multiply 0 times 9 ( = 0 ) Subtract 0 from 03 ( = 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>
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