

# 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>30   642</div>	(2) <div>76   381</div>	(3) <div>96   959</div>
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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>21 R12</div><div>30   642</div><div><div>- 60</div><div>42</div><div>- 30</div></div></div><div><div>( 2 x 30 )</div><div>( 1 x 30 )</div></div><div>Remainder --&gt; 12</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 30 into 64 ( = 2 ) Multiply 2 times 30 ( = 60 ) Subtract 60 from 64 ( = 4 ) Bring down the 2  Divide 30 into 42 ( = 1 ) Multiply 1 times 30 ( = 30 ) Subtract 30 from 42 ( = 12 ) Done. No more numbers to bring down.</div></div>	<div><div>(2)</div><div><div><div>5 R1</div><div>76   381</div><div><div>- 380</div></div></div><div><div>( 5 x 76 )</div></div><div>Remainder --&gt; 1</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 76 into 381 ( = 5 ) Multiply 5 times 76 ( = 380 ) Subtract 380 from 381 ( = 1 ) Done. No more numbers to bring down.</div></div>	<div><div>(3)</div><div><div><div>9 R95</div><div>96   959</div><div><div>- 864</div></div></div><div><div>( 9 x 96 )</div></div><div>Remainder --&gt; 95</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 96 into 959 ( = 9 ) Multiply 9 times 96 ( = 864 ) Subtract 864 from 959 ( = 95 ) Done. No more numbers to bring down.</div></div>
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