

# 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 <math>\overline{) 27}</math></div>	<div>(2)</div> <div>8 <math>\overline{) 96}</math></div>	<div>(3)</div> <div>2 <math>\overline{) 57}</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>6 R3</div><div>4   27</div><div>- 24</div></div><div>( 6 x 4 )</div></div> <div>Remainder --&gt; 3</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 4 into 27 ( = 6 ) Multiply 6 times 4 ( = 24 ) Subtract 24 from 27 ( = 3 ) Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>12 R0</div><div>8   96</div><div>- 8</div><div>16</div><div>- 16</div></div><div>( 1 x 8 ) ( 2 x 8 )</div></div> <div>Remainder --&gt; 0</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 8 into 9 ( = 1 ) Multiply 1 times 8 ( = 8 ) Subtract 8 from 9 ( = 1 ) Bring down the 6  Divide 8 into 16 ( = 2 ) Multiply 2 times 8 ( = 16 ) Subtract 16 from 16 ( = 0 ) Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>28 R1</div><div>2   57</div><div>- 4</div><div>17</div><div>- 16</div></div><div>( 2 x 2 ) ( 8 x 2 )</div></div> <div>Remainder --&gt; 1</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 2 into 5 ( = 2 ) Multiply 2 times 2 ( = 4 ) Subtract 4 from 5 ( = 1 ) Bring down the 7  Divide 2 into 17 ( = 8 ) Multiply 8 times 2 ( = 16 ) Subtract 16 from 17 ( = 1 ) Done. No more numbers to bring down.</div>
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