

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>9 948627</div>	(2) <div>4 468858</div>	(3) <div>8 940090</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>105403 R0</div><div>9</div><div><div>948627</div><div><div><div>- 9</div><div>(1 x 9)</div></div><div><div>04</div><div><div>- 0</div><div>(0 x 9)</div></div><div><div>48</div><div><div>- 45</div><div>(5 x 9)</div></div><div><div>36</div><div><div>- 36</div><div>(4 x 9)</div></div><div><div>02</div><div><div>- 0</div><div>(0 x 9)</div></div><div><div>27</div><div><div>- 27</div><div>(3 x 9)</div></div></div><div>0</div></div></div><div>Remainder --></div></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 4</div><div>Divide 9 into 04 (= 0) Multiply 0 times 9 (= 0) Subtract 0 from 04 (= 4) Bring down the 8</div><div>Divide 9 into 48 (= 5) Multiply 5 times 9 (= 45) Subtract 45 from 48 (= 3) Bring down the 6</div><div>Divide 9 into 36 (= 4) Multiply 4 times 9 (= 36) Subtract 36 from 36 (= 0) Bring down the 2</div><div>Divide 9 into 02 (= 0) Multiply 0 times 9 (= 0) Subtract 0 from 02 (= 2) Bring down the 7</div><div>Divide 9 into 27 (= 3) Multiply 3 times 9 (= 27) Subtract 27 from 27 (= 0) Done. No more numbers to bring down.</div></div></div></div></div>	<div>(2)</div> <div><div><div>117214 R2</div><div>4</div><div><div>468858</div><div><div><div>- 4</div><div>(1 x 4)</div></div><div><div>06</div><div><div>- 4</div><div>(1 x 4)</div></div><div><div>28</div><div><div>- 28</div><div>(7 x 4)</div></div><div><div>08</div><div><div>- 8</div><div>(2 x 4)</div></div><div><div>05</div><div><div>- 4</div><div>(1 x 4)</div></div><div><div>18</div><div><div>- 16</div><div>(4 x 4)</div></div></div><div>2</div></div></div><div>Remainder --></div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 4 into 4 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 4 (= 0) Bring down the 6</div><div>Divide 4 into 06 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 06 (= 2) Bring down the 8</div><div>Divide 4 into 28 (= 7) Multiply 7 times 4 (= 28) Subtract 28 from 28 (= 0) Bring down the 8</div><div>Divide 4 into 08 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 08 (= 0) Bring down the 5</div><div>Divide 4 into 05 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 05 (= 1) Bring down the 8</div><div>Divide 4 into 18 (= 4) Multiply 4 times 4 (= 16) Subtract 16 from 18 (= 2) Done. No more numbers to bring down.</div></div></div></div></div>	<div>(3)</div> <div><div><div>117511 R2</div><div>8</div><div><div>940090</div><div><div><div>- 8</div><div>(1 x 8)</div></div><div><div>14</div><div><div>- 8</div><div>(1 x 8)</div></div><div><div>60</div><div><div>- 56</div><div>(7 x 8)</div></div><div><div>40</div><div><div>- 40</div><div>(5 x 8)</div></div><div><div>09</div><div><div>- 8</div><div>(1 x 8)</div></div><div><div>10</div><div><div>- 8</div><div>(1 x 8)</div></div></div><div>2</div></div></div><div>Remainder --></div></div></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 4</div><div>Divide 8 into 14 (= 1) Multiply 1 times 8 (= 8) Subtract 8 from 14 (= 6) Bring down the 0</div><div>Divide 8 into 60 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 60 (= 4) Bring down the 0</div><div>Divide 8 into 40 (= 5) Multiply 5 times 8 (= 40) Subtract 40 from 40 (= 0) Bring down the 9</div><div>Divide 8 into 09 (= 1) Multiply 1 times 8 (= 8) Subtract 8 from 09 (= 1) Bring down the 0</div><div>Divide 8 into 10 (= 1) Multiply 1 times 8 (= 8) Subtract 8 from 10 (= 2) Done. No more numbers to bring down.</div></div></div></div></div>
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