

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>5 846989</div>	(2) <div>6 788156</div>	(3) <div>2 614766</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><div>(1)</div><div><div>169397 R4</div><div>5</div><div><div>846989</div><div><div><div>- 5</div><div>(1 x 5)</div></div><div><div>34</div><div>(6 x 5)</div></div><div><div>- 30</div><div>(9 x 5)</div></div><div><div>46</div><div>(3 x 5)</div></div><div><div>- 45</div><div>(9 x 5)</div></div><div><div>19</div><div>(3 x 5)</div></div><div><div>- 15</div><div>(9 x 5)</div></div><div><div>48</div><div>(9 x 5)</div></div><div><div>- 45</div><div>(7 x 5)</div></div><div><div>39</div><div>(7 x 5)</div></div><div><div>- 35</div><div></div></div><div><div>4</div><div></div></div></div></div><div>Remainder --></div></div></div> <div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 5 into 8 (= 1)</div><div>Multiply 1 times 5 (= 5)</div><div>Subtract 5 from 8 (= 3)</div><div>Bring down the 4</div><div>Divide 5 into 34 (= 6)</div><div>Multiply 6 times 5 (= 30)</div><div>Subtract 30 from 34 (= 4)</div><div>Bring down the 6</div><div>Divide 5 into 46 (= 9)</div><div>Multiply 9 times 5 (= 45)</div><div>Subtract 45 from 46 (= 1)</div><div>Bring down the 9</div><div>Divide 5 into 19 (= 3)</div><div>Multiply 3 times 5 (= 15)</div><div>Subtract 15 from 19 (= 4)</div><div>Bring down the 8</div><div>Divide 5 into 48 (= 9)</div><div>Multiply 9 times 5 (= 45)</div><div>Subtract 45 from 48 (= 3)</div><div>Bring down the 9</div><div>Divide 5 into 39 (= 7)</div><div>Multiply 7 times 5 (= 35)</div><div>Subtract 35 from 39 (= 4)</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(2)</div><div><div>131359 R2</div><div>6</div><div><div>788156</div><div><div><div>- 6</div><div>(1 x 6)</div></div><div><div>18</div><div>(3 x 6)</div></div><div><div>- 18</div><div>(1 x 6)</div></div><div><div>08</div><div>(3 x 6)</div></div><div><div>- 6</div><div>(5 x 6)</div></div><div><div>21</div><div>(9 x 6)</div></div><div><div>- 18</div><div></div></div><div><div>35</div><div></div></div><div><div>- 30</div><div></div></div><div><div>56</div><div></div></div><div><div>- 54</div><div></div></div><div><div>2</div><div></div></div></div></div><div>Remainder --></div></div></div> <div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 6 into 7 (= 1)</div><div>Multiply 1 times 6 (= 6)</div><div>Subtract 6 from 7 (= 1)</div><div>Bring down the 8</div><div>Divide 6 into 18 (= 3)</div><div>Multiply 3 times 6 (= 18)</div><div>Subtract 18 from 18 (= 0)</div><div>Bring down the 8</div><div>Divide 6 into 08 (= 1)</div><div>Multiply 1 times 6 (= 6)</div><div>Subtract 6 from 08 (= 2)</div><div>Bring down the 1</div><div>Divide 6 into 21 (= 3)</div><div>Multiply 3 times 6 (= 18)</div><div>Subtract 18 from 21 (= 3)</div><div>Bring down the 5</div><div>Divide 6 into 35 (= 5)</div><div>Multiply 5 times 6 (= 30)</div><div>Subtract 30 from 35 (= 5)</div><div>Bring down the 6</div><div>Divide 6 into 56 (= 9)</div><div>Multiply 9 times 6 (= 54)</div><div>Subtract 54 from 56 (= 2)</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(3)</div><div><div>307383 R0</div><div>2</div><div><div>614766</div><div><div><div>- 6</div><div>(3 x 2)</div></div><div><div>01</div><div>(0 x 2)</div></div><div><div>- 0</div><div>(7 x 2)</div></div><div><div>14</div><div>(3 x 2)</div></div><div><div>- 14</div><div>(8 x 2)</div></div><div><div>07</div><div>(3 x 2)</div></div><div><div>- 6</div><div>(8 x 2)</div></div><div><div>16</div><div>(3 x 2)</div></div><div><div>- 16</div><div>(3 x 2)</div></div><div><div>06</div><div></div></div><div><div>- 6</div><div></div></div><div><div>0</div><div></div></div></div></div><div>Remainder --></div></div></div> <div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><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 1</div><div>Divide 2 into 01 (= 0)</div><div>Multiply 0 times 2 (= 0)</div><div>Subtract 0 from 01 (= 1)</div><div>Bring down the 4</div><div>Divide 2 into 14 (= 7)</div><div>Multiply 7 times 2 (= 14)</div><div>Subtract 14 from 14 (= 0)</div><div>Bring down the 7</div><div>Divide 2 into 07 (= 3)</div><div>Multiply 3 times 2 (= 6)</div><div>Subtract 6 from 07 (= 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 6</div><div>Divide 2 into 06 (= 3)</div><div>Multiply 3 times 2 (= 6)</div><div>Subtract 6 from 06 (= 0)</div><div>Done. No more numbers to bring down.</div></div></div>
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