

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>2 41069</div>	(2) <div>6 33139</div>	(3) <div>8 62232</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>20534 R1</div><div>2</div><div><div>41069</div><div>- 4</div><div>01</div><div>- 0</div><div>10</div><div>- 10</div><div>06</div><div>- 6</div><div>09</div><div>- 8</div><div>1</div></div><div><div>(2 x 2)</div><div>(0 x 2)</div><div>(5 x 2)</div><div>(3 x 2)</div><div>(4 x 2)</div></div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 2 into 4 (= 2) Multiply 2 times 2 (= 4) Subtract 4 from 4 (= 0) Bring down the 1</div> <div>Divide 2 into 01 (= 0) Multiply 0 times 2 (= 0) Subtract 0 from 01 (= 1) Bring down the 0</div> <div>Divide 2 into 10 (= 5) Multiply 5 times 2 (= 10) Subtract 10 from 10 (= 0) Bring down the 6</div> <div>Divide 2 into 06 (= 3) Multiply 3 times 2 (= 6) Subtract 6 from 06 (= 0) Bring down the 9</div> <div>Divide 2 into 09 (= 4) Multiply 4 times 2 (= 8) Subtract 8 from 09 (= 1) Done. No more numbers to bring down.</div>	<div><div>(2)</div><div><div>5523 R1</div><div>6</div><div><div>33139</div><div>- 30</div><div>31</div><div>- 30</div><div>13</div><div>- 12</div><div>19</div><div>- 18</div><div>1</div></div><div><div>(5 x 6)</div><div>(5 x 6)</div><div>(2 x 6)</div><div>(3 x 6)</div></div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 6 into 33 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 33 (= 3) Bring down the 1</div> <div>Divide 6 into 31 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 31 (= 1) Bring down the 3</div> <div>Divide 6 into 13 (= 2) Multiply 2 times 6 (= 12) Subtract 12 from 13 (= 1) Bring down the 9</div> <div>Divide 6 into 19 (= 3) Multiply 3 times 6 (= 18) Subtract 18 from 19 (= 1) Done. No more numbers to bring down.</div>	<div><div>(3)</div><div><div>7779 R0</div><div>8</div><div><div>62232</div><div>- 56</div><div>62</div><div>- 56</div><div>63</div><div>- 56</div><div>72</div><div>- 72</div><div>0</div></div><div><div>(7 x 8)</div><div>(7 x 8)</div><div>(7 x 8)</div><div>(9 x 8)</div></div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 8 into 62 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 62 (= 6) Bring down the 2</div> <div>Divide 8 into 62 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 62 (= 6) Bring down the 3</div> <div>Divide 8 into 63 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 63 (= 7) Bring down the 2</div> <div>Divide 8 into 72 (= 9) Multiply 9 times 8 (= 72) Subtract 72 from 72 (= 0) Done. No more numbers to bring down.</div>
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