

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 8172621</div>	(2) <div>2 4034249</div>	(3) <div>4 7258503</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>4086310 R1</div><div>2<div>8172621</div></div><div><div><div><div>- 8</div><div>(4 x 2)</div></div><div><div>01</div><div>- 0</div><div>(0 x 2)</div><div>17</div><div>- 16</div><div>(8 x 2)</div><div>12</div><div>- 12</div><div>(6 x 2)</div><div>06</div><div>- 6</div><div>(3 x 2)</div><div>02</div><div>- 2</div><div>(1 x 2)</div><div>01</div><div>- 0</div><div>(0 x 2)</div></div></div><div>Remainder --> 1</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 2 into 8 (= 4) Multiply 4 times 2 (= 8) Subtract 8 from 8 (= 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 7</div><div>Divide 2 into 17 (= 8) Multiply 8 times 2 (= 16) Subtract 16 from 17 (= 1) Bring down the 2</div><div>Divide 2 into 12 (= 6) Multiply 6 times 2 (= 12) Subtract 12 from 12 (= 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 2</div><div>Divide 2 into 02 (= 1) Multiply 1 times 2 (= 2) Subtract 2 from 02 (= 0) Bring down the 1</div><div>Divide 2 into 01 (= 0) Multiply 0 times 2 (= 0) Subtract 0 from 01 (= 1) Done. No more numbers to bring down.</div></div>	<div><div>(2)</div><div><div>2017124 R1</div><div>2<div>4034249</div></div><div><div><div><div>- 4</div><div>(2 x 2)</div></div><div><div>00</div><div>- 0</div><div>(0 x 2)</div><div>03</div><div>- 2</div><div>(1 x 2)</div><div>14</div><div>- 14</div><div>(7 x 2)</div><div>02</div><div>- 2</div><div>(1 x 2)</div><div>04</div><div>- 4</div><div>(2 x 2)</div><div>09</div><div>- 8</div><div>(4 x 2)</div></div></div><div>Remainder --> 1</div></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 0</div><div>Divide 2 into 00 (= 0) Multiply 0 times 2 (= 0) Subtract 0 from 00 (= 0) Bring down the 3</div><div>Divide 2 into 03 (= 1) Multiply 1 times 2 (= 2) Subtract 2 from 03 (= 1) Bring down the 4</div><div>Divide 2 into 14 (= 7) Multiply 7 times 2 (= 14) Subtract 14 from 14 (= 0) Bring down the 2</div><div>Divide 2 into 02 (= 1) Multiply 1 times 2 (= 2) Subtract 2 from 02 (= 0) Bring down the 4</div><div>Divide 2 into 04 (= 2) Multiply 2 times 2 (= 4) Subtract 4 from 04 (= 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><div>(3)</div><div><div>1814625 R3</div><div>4<div>7258503</div></div><div><div><div><div>- 4</div><div>(1 x 4)</div></div><div><div>32</div><div>- 32</div><div>(8 x 4)</div><div>05</div><div>- 4</div><div>(1 x 4)</div><div>18</div><div>- 16</div><div>(4 x 4)</div><div>25</div><div>- 24</div><div>(6 x 4)</div><div>10</div><div>- 8</div><div>(2 x 4)</div><div>23</div><div>- 20</div><div>(5 x 4)</div></div></div><div>Remainder --> 3</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 4 into 7 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 7 (= 3) Bring down the 2</div><div>Divide 4 into 32 (= 8) Multiply 8 times 4 (= 32) Subtract 32 from 32 (= 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) Bring down the 5</div><div>Divide 4 into 25 (= 6) Multiply 6 times 4 (= 24) Subtract 24 from 25 (= 1) Bring down the 0</div><div>Divide 4 into 10 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 10 (= 2) Bring down the 3</div><div>Divide 4 into 23 (= 5) Multiply 5 times 4 (= 20) Subtract 20 from 23 (= 3) Done. No more numbers to bring down.</div></div>
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