

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>8 40597</div>	(2) <div>6 69128</div>	(3) <div>3 86029</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>5074 R5</div><div>8</div><div>40597</div><div>- 40</div><div>05</div><div>- 0</div><div>59</div><div>- 56</div><div>37</div><div>- 32</div><div>5</div></div><div><div>(5 x 8)</div><div>(0 x 8)</div><div>(7 x 8)</div><div>(4 x 8)</div></div></div> <div>Remainder --></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 8 into 40 (= 5) Multiply 5 times 8 (= 40) Subtract 40 from 40 (= 0) Bring down the 5 Divide 8 into 05 (= 0) Multiply 0 times 8 (= 0) Subtract 0 from 05 (= 5) Bring down the 9 Divide 8 into 59 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 59 (= 3) Bring down the 7 Divide 8 into 37 (= 4) Multiply 4 times 8 (= 32) Subtract 32 from 37 (= 5) Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>11521 R2</div><div>6</div><div>69128</div><div>- 6</div><div>09</div><div>- 6</div><div>31</div><div>- 30</div><div>12</div><div>- 12</div><div>08</div><div>- 6</div><div>2</div></div><div><div>(1 x 6)</div><div>(1 x 6)</div><div>(5 x 6)</div><div>(2 x 6)</div><div>(1 x 6)</div></div></div> <div>Remainder --></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 6 into 6 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 6 (= 0) Bring down the 9 Divide 6 into 09 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 09 (= 3) Bring down the 1 Divide 6 into 31 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 31 (= 1) Bring down the 2 Divide 6 into 12 (= 2) Multiply 2 times 6 (= 12) Subtract 12 from 12 (= 0) Bring down the 8 Divide 6 into 08 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 08 (= 2) Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>28676 R1</div><div>3</div><div>86029</div><div>- 6</div><div>26</div><div>- 24</div><div>20</div><div>- 18</div><div>22</div><div>- 21</div><div>19</div><div>- 18</div><div>1</div></div><div><div>(2 x 3)</div><div>(8 x 3)</div><div>(6 x 3)</div><div>(7 x 3)</div><div>(6 x 3)</div></div></div> <div>Remainder --></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 3 into 8 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 8 (= 2) Bring down the 6 Divide 3 into 26 (= 8) Multiply 8 times 3 (= 24) Subtract 24 from 26 (= 2) Bring down the 0 Divide 3 into 20 (= 6) Multiply 6 times 3 (= 18) Subtract 18 from 20 (= 2) Bring down the 2 Divide 3 into 22 (= 7) Multiply 7 times 3 (= 21) Subtract 21 from 22 (= 1) Bring down the 9 Divide 3 into 19 (= 6) Multiply 6 times 3 (= 18) Subtract 18 from 19 (= 1) Done. No more numbers to bring down.</div>
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