

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>6 179398</div>	(2) <div>7 522040</div>	(3) <div>5 586730</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>(1)<div><div>29899 R4</div><div>6<div>179398</div><div><div><div>- 12</div><div>(2 x 6)</div></div><div><div>59</div><div>- 54</div><div>(9 x 6)</div></div><div><div>53</div><div>- 48</div><div>(8 x 6)</div></div><div><div>59</div><div>- 54</div><div>(9 x 6)</div></div><div><div>58</div><div>- 54</div><div>(9 x 6)</div></div></div><div>Remainder --> 4</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 6 into 17 (= 2)</div><div>Multiply 2 times 6 (= 12)</div><div>Subtract 12 from 17 (= 5)</div><div>Bring down the 9</div></div><div><div>Divide 6 into 59 (= 9)</div><div>Multiply 9 times 6 (= 54)</div><div>Subtract 54 from 59 (= 5)</div><div>Bring down the 3</div></div><div><div>Divide 6 into 53 (= 8)</div><div>Multiply 8 times 6 (= 48)</div><div>Subtract 48 from 53 (= 5)</div><div>Bring down the 9</div></div><div><div>Divide 6 into 59 (= 9)</div><div>Multiply 9 times 6 (= 54)</div><div>Subtract 54 from 59 (= 5)</div><div>Bring down the 8</div></div><div><div>Divide 6 into 58 (= 9)</div><div>Multiply 9 times 6 (= 54)</div><div>Subtract 54 from 58 (= 4)</div><div>Done. No more numbers to bring down.</div></div></div>	<div>(2)<div><div>74577 R1</div><div>7<div>522040</div><div><div><div>- 49</div><div>(7 x 7)</div></div><div><div>32</div><div>- 28</div><div>(4 x 7)</div></div><div><div>40</div><div>- 35</div><div>(5 x 7)</div></div><div><div>54</div><div>- 49</div><div>(7 x 7)</div></div><div><div>50</div><div>- 49</div><div>(7 x 7)</div></div></div><div>Remainder --> 1</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 7 into 52 (= 7)</div><div>Multiply 7 times 7 (= 49)</div><div>Subtract 49 from 52 (= 3)</div><div>Bring down the 2</div></div><div><div>Divide 7 into 32 (= 4)</div><div>Multiply 4 times 7 (= 28)</div><div>Subtract 28 from 32 (= 4)</div><div>Bring down the 0</div></div><div><div>Divide 7 into 40 (= 5)</div><div>Multiply 5 times 7 (= 35)</div><div>Subtract 35 from 40 (= 5)</div><div>Bring down the 4</div></div><div><div>Divide 7 into 54 (= 7)</div><div>Multiply 7 times 7 (= 49)</div><div>Subtract 49 from 54 (= 5)</div><div>Bring down the 0</div></div><div><div>Divide 7 into 50 (= 7)</div><div>Multiply 7 times 7 (= 49)</div><div>Subtract 49 from 50 (= 1)</div><div>Done. No more numbers to bring down.</div></div></div>	<div>(3)<div><div>117346 R0</div><div>5<div>586730</div><div><div><div>- 5</div><div>(1 x 5)</div></div><div><div>08</div><div>- 5</div><div>(1 x 5)</div></div><div><div>36</div><div>- 35</div><div>(7 x 5)</div></div><div><div>17</div><div>- 15</div><div>(3 x 5)</div></div><div><div>23</div><div>- 20</div><div>(4 x 5)</div></div><div><div>30</div><div>- 30</div><div>(6 x 5)</div></div></div><div>Remainder --> 0</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 5 into 5 (= 1)</div><div>Multiply 1 times 5 (= 5)</div><div>Subtract 5 from 5 (= 0)</div><div>Bring down the 8</div></div><div><div>Divide 5 into 08 (= 1)</div><div>Multiply 1 times 5 (= 5)</div><div>Subtract 5 from 08 (= 3)</div><div>Bring down the 6</div></div><div><div>Divide 5 into 36 (= 7)</div><div>Multiply 7 times 5 (= 35)</div><div>Subtract 35 from 36 (= 1)</div><div>Bring down the 7</div></div><div><div>Divide 5 into 17 (= 3)</div><div>Multiply 3 times 5 (= 15)</div><div>Subtract 15 from 17 (= 2)</div><div>Bring down the 3</div></div><div><div>Divide 5 into 23 (= 4)</div><div>Multiply 4 times 5 (= 20)</div><div>Subtract 20 from 23 (= 3)</div><div>Bring down the 0</div></div><div><div>Divide 5 into 30 (= 6)</div><div>Multiply 6 times 5 (= 30)</div><div>Subtract 30 from 30 (= 0)</div><div>Done. No more numbers to bring down.</div></div></div>
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