

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 5872329</div>	(2) <div>9 1966015</div>	(3) <div>9 5955064</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>978721 R3</div><div>6</div><div><div>5872329</div><div><div><div>- 54</div><div>(9 x 6)</div></div><div><div>47</div><div>- 42</div><div>(7 x 6)</div></div><div><div>52</div><div>- 48</div><div>(8 x 6)</div></div><div><div>43</div><div>- 42</div><div>(7 x 6)</div></div><div><div>12</div><div>- 12</div><div>(2 x 6)</div></div><div><div>09</div><div>- 6</div><div>(1 x 6)</div></div></div><div>Remainder --> 3</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 6 into 58 (= 9)</div><div>Multiply 9 times 6 (= 54)</div><div>Subtract 54 from 58 (= 4)</div><div>Bring down the 7</div><div>Divide 6 into 47 (= 7)</div><div>Multiply 7 times 6 (= 42)</div><div>Subtract 42 from 47 (= 5)</div><div>Bring down the 2</div><div>Divide 6 into 52 (= 8)</div><div>Multiply 8 times 6 (= 48)</div><div>Subtract 48 from 52 (= 4)</div><div>Bring down the 3</div><div>Divide 6 into 43 (= 7)</div><div>Multiply 7 times 6 (= 42)</div><div>Subtract 42 from 43 (= 1)</div><div>Bring down the 2</div><div>Divide 6 into 12 (= 2)</div><div>Multiply 2 times 6 (= 12)</div><div>Subtract 12 from 12 (= 0)</div><div>Bring down the 9</div><div>Divide 6 into 09 (= 1)</div><div>Multiply 1 times 6 (= 6)</div><div>Subtract 6 from 09 (= 3)</div><div>Done. No more numbers to bring down.</div></div></div></div>	<div><div>(2)</div><div><div>218446 R1</div><div>9</div><div><div>1966015</div><div><div><div>- 18</div><div>(2 x 9)</div></div><div><div>16</div><div>- 9</div><div>(1 x 9)</div></div><div><div>76</div><div>- 72</div><div>(8 x 9)</div></div><div><div>40</div><div>- 36</div><div>(4 x 9)</div></div><div><div>41</div><div>- 36</div><div>(4 x 9)</div></div><div><div>55</div><div>- 54</div><div>(6 x 9)</div></div></div><div>Remainder --> 1</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 9 into 19 (= 2)</div><div>Multiply 2 times 9 (= 18)</div><div>Subtract 18 from 19 (= 1)</div><div>Bring down the 6</div><div>Divide 9 into 16 (= 1)</div><div>Multiply 1 times 9 (= 9)</div><div>Subtract 9 from 16 (= 7)</div><div>Bring down the 6</div><div>Divide 9 into 76 (= 8)</div><div>Multiply 8 times 9 (= 72)</div><div>Subtract 72 from 76 (= 4)</div><div>Bring down the 0</div><div>Divide 9 into 40 (= 4)</div><div>Multiply 4 times 9 (= 36)</div><div>Subtract 36 from 40 (= 4)</div><div>Bring down the 1</div><div>Divide 9 into 41 (= 4)</div><div>Multiply 4 times 9 (= 36)</div><div>Subtract 36 from 41 (= 5)</div><div>Bring down the 5</div><div>Divide 9 into 55 (= 6)</div><div>Multiply 6 times 9 (= 54)</div><div>Subtract 54 from 55 (= 1)</div><div>Done. No more numbers to bring down.</div></div></div></div>	<div><div>(3)</div><div><div>661673 R7</div><div>9</div><div><div>5955064</div><div><div><div>- 54</div><div>(6 x 9)</div></div><div><div>55</div><div>- 54</div><div>(6 x 9)</div></div><div><div>15</div><div>- 9</div><div>(1 x 9)</div></div><div><div>60</div><div>- 54</div><div>(6 x 9)</div></div><div><div>66</div><div>- 63</div><div>(7 x 9)</div></div><div><div>34</div><div>- 27</div><div>(3 x 9)</div></div></div><div>Remainder --> 7</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 9 into 59 (= 6)</div><div>Multiply 6 times 9 (= 54)</div><div>Subtract 54 from 59 (= 5)</div><div>Bring down the 5</div><div>Divide 9 into 55 (= 6)</div><div>Multiply 6 times 9 (= 54)</div><div>Subtract 54 from 55 (= 1)</div><div>Bring down the 5</div><div>Divide 9 into 15 (= 1)</div><div>Multiply 1 times 9 (= 9)</div><div>Subtract 9 from 15 (= 6)</div><div>Bring down the 0</div><div>Divide 9 into 60 (= 6)</div><div>Multiply 6 times 9 (= 54)</div><div>Subtract 54 from 60 (= 6)</div><div>Bring down the 6</div><div>Divide 9 into 66 (= 7)</div><div>Multiply 7 times 9 (= 63)</div><div>Subtract 63 from 66 (= 3)</div><div>Bring down the 4</div><div>Divide 9 into 34 (= 3)</div><div>Multiply 3 times 9 (= 27)</div><div>Subtract 27 from 34 (= 7)</div><div>Done. No more numbers to bring down.</div></div></div></div>
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