

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>9 5560386</div>	(2) <div>8 5105289</div>	(3) <div>8 4557184</div>
-------------------------------	-------------------------------	-------------------------------

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

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div><div>(1)</div><div><div>617820 R6</div><div>9<div>5560386</div></div><div><div><div>- 54</div><div>(6 x 9)</div></div><div><div>16</div><div>- 9</div><div>(1 x 9)</div></div><div><div>70</div><div>- 63</div><div>(7 x 9)</div></div><div><div>73</div><div>- 72</div><div>(8 x 9)</div></div><div><div>18</div><div>- 18</div><div>(2 x 9)</div></div><div><div>06</div><div>- 0</div><div>(0 x 9)</div></div></div><div>Remainder --> 6</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <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 6</div></div> <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 0</div></div> <div><div>Divide 9 into 70 (= 7)</div><div>Multiply 7 times 9 (= 63)</div><div>Subtract 63 from 70 (= 7)</div><div>Bring down the 3</div></div> <div><div>Divide 9 into 73 (= 8)</div><div>Multiply 8 times 9 (= 72)</div><div>Subtract 72 from 73 (= 1)</div><div>Bring down the 8</div></div> <div><div>Divide 9 into 18 (= 2)</div><div>Multiply 2 times 9 (= 18)</div><div>Subtract 18 from 18 (= 0)</div><div>Bring down the 6</div></div> <div><div>Divide 9 into 06 (= 0)</div><div>Multiply 0 times 9 (= 0)</div><div>Subtract 0 from 06 (= 6)</div><div>Done. No more numbers to bring down.</div></div>	<div><div>(2)</div><div><div>638161 R1</div><div>8<div>5105289</div></div><div><div><div>- 48</div><div>(6 x 8)</div></div><div><div>30</div><div>- 24</div><div>(3 x 8)</div></div><div><div>65</div><div>- 64</div><div>(8 x 8)</div></div><div><div>12</div><div>- 8</div><div>(1 x 8)</div></div><div><div>48</div><div>- 48</div><div>(6 x 8)</div></div><div><div>09</div><div>- 8</div><div>(1 x 8)</div></div></div><div>Remainder --> 1</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 8 into 51 (= 6)</div><div>Multiply 6 times 8 (= 48)</div><div>Subtract 48 from 51 (= 3)</div><div>Bring down the 0</div></div> <div><div>Divide 8 into 30 (= 3)</div><div>Multiply 3 times 8 (= 24)</div><div>Subtract 24 from 30 (= 6)</div><div>Bring down the 5</div></div> <div><div>Divide 8 into 65 (= 8)</div><div>Multiply 8 times 8 (= 64)</div><div>Subtract 64 from 65 (= 1)</div><div>Bring down the 2</div></div> <div><div>Divide 8 into 12 (= 1)</div><div>Multiply 1 times 8 (= 8)</div><div>Subtract 8 from 12 (= 4)</div><div>Bring down the 8</div></div> <div><div>Divide 8 into 48 (= 6)</div><div>Multiply 6 times 8 (= 48)</div><div>Subtract 48 from 48 (= 0)</div><div>Bring down the 9</div></div> <div><div>Divide 8 into 09 (= 1)</div><div>Multiply 1 times 8 (= 8)</div><div>Subtract 8 from 09 (= 1)</div><div>Done. No more numbers to bring down.</div></div>	<div><div>(3)</div><div><div>569648 R0</div><div>8<div>4557184</div></div><div><div><div>- 40</div><div>(5 x 8)</div></div><div><div>55</div><div>- 48</div><div>(6 x 8)</div></div><div><div>77</div><div>- 72</div><div>(9 x 8)</div></div><div><div>51</div><div>- 48</div><div>(6 x 8)</div></div><div><div>38</div><div>- 32</div><div>(4 x 8)</div></div><div><div>64</div><div>- 64</div><div>(8 x 8)</div></div></div><div>Remainder --> 0</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 8 into 45 (= 5)</div><div>Multiply 5 times 8 (= 40)</div><div>Subtract 40 from 45 (= 5)</div><div>Bring down the 5</div></div> <div><div>Divide 8 into 55 (= 6)</div><div>Multiply 6 times 8 (= 48)</div><div>Subtract 48 from 55 (= 7)</div><div>Bring down the 7</div></div> <div><div>Divide 8 into 77 (= 9)</div><div>Multiply 9 times 8 (= 72)</div><div>Subtract 72 from 77 (= 5)</div><div>Bring down the 1</div></div> <div><div>Divide 8 into 51 (= 6)</div><div>Multiply 6 times 8 (= 48)</div><div>Subtract 48 from 51 (= 3)</div><div>Bring down the 8</div></div> <div><div>Divide 8 into 38 (= 4)</div><div>Multiply 4 times 8 (= 32)</div><div>Subtract 32 from 38 (= 6)</div><div>Bring down the 4</div></div> <div><div>Divide 8 into 64 (= 8)</div><div>Multiply 8 times 8 (= 64)</div><div>Subtract 64 from 64 (= 0)</div><div>Done. No more numbers to bring down.</div></div>
---	---	---