

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>4 $\overline{)28536}$</div>	(2) <div>7 $\overline{)48577}$</div>	(3) <div>9 $\overline{)26146}$</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>7134 R0</div><div>4</div><div>28536</div><div>- 28</div><div>05</div><div>- 4</div><div>13</div><div>- 12</div><div>16</div><div>- 16</div><div>0</div></div><div><div>(7 x 4)</div><div>(1 x 4)</div><div>(3 x 4)</div><div>(4 x 4)</div></div></div><div>Remainder --> 0</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 4 into 28 (= 7) Multiply 7 times 4 (= 28) Subtract 28 from 28 (= 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 3</div><div>Divide 4 into 13 (= 3) Multiply 3 times 4 (= 12) Subtract 12 from 13 (= 1) Bring down the 6</div><div>Divide 4 into 16 (= 4) Multiply 4 times 4 (= 16) Subtract 16 from 16 (= 0) Done. No more numbers to bring down.</div></div>	<div>(2)<div><div><div>6939 R4</div><div>7</div><div>48577</div><div>- 42</div><div>65</div><div>- 63</div><div>27</div><div>- 21</div><div>67</div><div>- 63</div><div>4</div></div><div><div>(6 x 7)</div><div>(9 x 7)</div><div>(3 x 7)</div><div>(9 x 7)</div></div></div><div>Remainder --> 4</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 7 into 48 (= 6) Multiply 6 times 7 (= 42) Subtract 42 from 48 (= 6) Bring down the 5</div><div>Divide 7 into 65 (= 9) Multiply 9 times 7 (= 63) Subtract 63 from 65 (= 2) Bring down the 7</div><div>Divide 7 into 27 (= 3) Multiply 3 times 7 (= 21) Subtract 21 from 27 (= 6) Bring down the 7</div><div>Divide 7 into 67 (= 9) Multiply 9 times 7 (= 63) Subtract 63 from 67 (= 4) Done. No more numbers to bring down.</div></div>	<div>(3)<div><div><div>2905 R1</div><div>9</div><div>26146</div><div>- 18</div><div>81</div><div>- 81</div><div>04</div><div>- 0</div><div>46</div><div>- 45</div><div>1</div></div><div><div>(2 x 9)</div><div>(9 x 9)</div><div>(0 x 9)</div><div>(5 x 9)</div></div></div><div>Remainder --> 1</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 9 into 26 (= 2) Multiply 2 times 9 (= 18) Subtract 18 from 26 (= 8) Bring down the 1</div><div>Divide 9 into 81 (= 9) Multiply 9 times 9 (= 81) Subtract 81 from 81 (= 0) Bring down the 4</div><div>Divide 9 into 04 (= 0) Multiply 0 times 9 (= 0) Subtract 0 from 04 (= 4) Bring down the 6</div><div>Divide 9 into 46 (= 5) Multiply 5 times 9 (= 45) Subtract 45 from 46 (= 1) Done. No more numbers to bring down.</div></div>
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