

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>5 7736322</div>	(2) <div>9 1763730</div>	(3) <div>2 3987340</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><div>(1)</div><div><div>1547264 R2</div><div>5</div><div><div><div>7736322</div><div><div><div><div><div><div>- 5</div><div>(1 x 5)</div></div><div><div><div>27</div><div>- 25</div><div>(5 x 5)</div><div><div>23</div><div>- 20</div><div>(4 x 5)</div><div><div>36</div><div>- 35</div><div>(7 x 5)</div><div><div>13</div><div>- 10</div><div>(2 x 5)</div><div><div>32</div><div>- 30</div><div>(6 x 5)</div><div><div>22</div><div>- 20</div><div>(4 x 5)</div></div></div></div></div></div><div>Remainder --> 2</div></div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 5 into 7 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 7 (= 2) Bring down the 7</div><div>Divide 5 into 27 (= 5) Multiply 5 times 5 (= 25) Subtract 25 from 27 (= 2) Bring down the 3</div><div>Divide 5 into 23 (= 4) Multiply 4 times 5 (= 20) Subtract 20 from 23 (= 3) Bring down the 6</div><div>Divide 5 into 36 (= 7) Multiply 7 times 5 (= 35) Subtract 35 from 36 (= 1) Bring down the 3</div><div>Divide 5 into 13 (= 2) Multiply 2 times 5 (= 10) Subtract 10 from 13 (= 3) Bring down the 2</div><div>Divide 5 into 32 (= 6) Multiply 6 times 5 (= 30) Subtract 30 from 32 (= 2) Bring down the 2</div></div></div></div></div></div></div></div>	<div><div>(2)</div><div><div>195970 R0</div><div>9</div><div><div><div>1763730</div><div><div><div><div><div><div>- 9</div><div>(1 x 9)</div></div><div><div><div>86</div><div>- 81</div><div>(9 x 9)</div><div><div>53</div><div>- 45</div><div>(5 x 9)</div><div><div>87</div><div>- 81</div><div>(9 x 9)</div><div><div>63</div><div>- 63</div><div>(7 x 9)</div><div><div>00</div><div>- 0</div><div>(0 x 9)</div></div></div></div></div></div><div>Remainder --> 0</div></div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 9 into 17 (= 1) Multiply 1 times 9 (= 9) Subtract 9 from 17 (= 8) Bring down the 6</div><div>Divide 9 into 86 (= 9) Multiply 9 times 9 (= 81) Subtract 81 from 86 (= 5) Bring down the 3</div><div>Divide 9 into 53 (= 5) Multiply 5 times 9 (= 45) Subtract 45 from 53 (= 8) Bring down the 7</div><div>Divide 9 into 87 (= 9) Multiply 9 times 9 (= 81) Subtract 81 from 87 (= 6) Bring down the 3</div><div>Divide 9 into 63 (= 7) Multiply 7 times 9 (= 63) Subtract 63 from 63 (= 0) Bring down the 0</div><div>Divide 9 into 00 (= 0) Multiply 0 times 9 (= 0) Subtract 0 from 00 (= 0) Done. No more numbers to bring down.</div></div></div></div></div></div></div>	<div><div>(3)</div><div><div>1993670 R0</div><div>2</div><div><div><div>3987340</div><div><div><div><div><div><div>- 2</div><div>(1 x 2)</div></div><div><div><div>19</div><div>- 18</div><div>(9 x 2)</div><div><div>18</div><div>- 18</div><div>(9 x 2)</div><div><div>07</div><div>- 6</div><div>(3 x 2)</div><div><div>13</div><div>- 12</div><div>(6 x 2)</div><div><div>14</div><div>- 14</div><div>(7 x 2)</div><div><div>00</div><div>- 0</div><div>(0 x 2)</div></div></div></div></div></div><div>Remainder --> 0</div></div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 2 into 3 (= 1) Multiply 1 times 2 (= 2) Subtract 2 from 3 (= 1) Bring down the 9</div><div>Divide 2 into 19 (= 9) Multiply 9 times 2 (= 18) Subtract 18 from 19 (= 1) Bring down the 8</div><div>Divide 2 into 18 (= 9) Multiply 9 times 2 (= 18) Subtract 18 from 18 (= 0) Bring down the 7</div><div>Divide 2 into 07 (= 3) Multiply 3 times 2 (= 6) Subtract 6 from 07 (= 1) Bring down the 3</div><div>Divide 2 into 13 (= 6) Multiply 6 times 2 (= 12) Subtract 12 from 13 (= 1) Bring down the 4</div><div>Divide 2 into 14 (= 7) Multiply 7 times 2 (= 14) Subtract 14 from 14 (= 0) Bring down the 0</div></div></div></div></div></div></div></div>
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Divide 5 into 22 (= 4)
Multiply 4 times 5 (= 20)
Subtract 20 from 22 (= 2)
Done. No more numbers to bring down.

Divide 2 into 00 (= 0)
Multiply 0 times 2 (= 0)
Subtract 0 from 00 (= 0)
Done. No more numbers to bring down.