

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>3 8651752</div>	(2) <div>5 6795539</div>	(3) <div>6 9742679</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><div><div>2883917 R1</div><div>3</div><div>8651752</div></div><div><div><div>- 6</div><div>(2 x 3)</div></div><div><div>26</div><div>- 24</div><div>(8 x 3)</div><div>25</div><div>- 24</div><div>(8 x 3)</div><div>11</div><div>- 9</div><div>(3 x 3)</div><div>27</div><div>- 27</div><div>(9 x 3)</div><div>05</div><div>- 3</div><div>(1 x 3)</div><div>22</div><div>- 21</div><div>(7 x 3)</div></div></div><div>Remainder --> 1</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 3 into 8 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 8 (= 2) Bring down the 6</div> <div>Divide 3 into 26 (= 8) Multiply 8 times 3 (= 24) Subtract 24 from 26 (= 2) Bring down the 5</div> <div>Divide 3 into 25 (= 8) Multiply 8 times 3 (= 24) Subtract 24 from 25 (= 1) Bring down the 1</div> <div>Divide 3 into 11 (= 3) Multiply 3 times 3 (= 9) Subtract 9 from 11 (= 2) Bring down the 7</div> <div>Divide 3 into 27 (= 9) Multiply 9 times 3 (= 27) Subtract 27 from 27 (= 0) Bring down the 5</div> <div>Divide 3 into 05 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 05 (= 2) Bring down the 2</div>	<div>(2)</div> <div><div><div>1359107 R4</div><div>5</div><div>6795539</div></div><div><div><div>- 5</div><div>(1 x 5)</div></div><div><div>17</div><div>- 15</div><div>(3 x 5)</div><div>29</div><div>- 25</div><div>(5 x 5)</div><div>45</div><div>- 45</div><div>(9 x 5)</div><div>05</div><div>- 5</div><div>(1 x 5)</div><div>03</div><div>- 0</div><div>(0 x 5)</div><div>39</div><div>- 35</div><div>(7 x 5)</div></div></div><div>Remainder --> 4</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 5 into 6 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 6 (= 1) Bring down the 7</div> <div>Divide 5 into 17 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 17 (= 2) Bring down the 9</div> <div>Divide 5 into 29 (= 5) Multiply 5 times 5 (= 25) Subtract 25 from 29 (= 4) Bring down the 5</div> <div>Divide 5 into 45 (= 9) Multiply 9 times 5 (= 45) Subtract 45 from 45 (= 0) Bring down the 5</div> <div>Divide 5 into 05 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 05 (= 0) Bring down the 3</div> <div>Divide 5 into 03 (= 0) Multiply 0 times 5 (= 0) Subtract 0 from 03 (= 3) Bring down the 9</div>	<div>(3)</div> <div><div><div>1623779 R5</div><div>6</div><div>9742679</div></div><div><div><div>- 6</div><div>(1 x 6)</div></div><div><div>37</div><div>- 36</div><div>(6 x 6)</div><div>14</div><div>- 12</div><div>(2 x 6)</div><div>22</div><div>- 18</div><div>(3 x 6)</div><div>46</div><div>- 42</div><div>(7 x 6)</div><div>47</div><div>- 42</div><div>(7 x 6)</div><div>59</div><div>- 54</div><div>(9 x 6)</div></div></div><div>Remainder --> 5</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 6 into 9 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 9 (= 3) Bring down the 7</div> <div>Divide 6 into 37 (= 6) Multiply 6 times 6 (= 36) Subtract 36 from 37 (= 1) Bring down the 4</div> <div>Divide 6 into 14 (= 2) Multiply 2 times 6 (= 12) Subtract 12 from 14 (= 2) Bring down the 2</div> <div>Divide 6 into 22 (= 3) Multiply 3 times 6 (= 18) Subtract 18 from 22 (= 4) Bring down the 6</div> <div>Divide 6 into 46 (= 7) Multiply 7 times 6 (= 42) Subtract 42 from 46 (= 4) Bring down the 7</div> <div>Divide 6 into 47 (= 7) Multiply 7 times 6 (= 42) Subtract 42 from 47 (= 5) Bring down the 9</div>
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Divide 3 into 22 (= 7)
Multiply 7 times 3 (= 21)
Subtract 21 from 22 (= 1)
Done. No more numbers to bring down.

Divide 5 into 39 (= 7)
Multiply 7 times 5 (= 35)
Subtract 35 from 39 (= 4)
Done. No more numbers to bring down.

Divide 6 into 59 (= 9)
Multiply 9 times 6 (= 54)
Subtract 54 from 59 (= 5)
Done. No more numbers to bring down.