

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 787472</div>	(2) <div>7 454112</div>	(3) <div>7 879624</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><div>131245 R2</div><div>6</div><div>787472</div></div><div><div><div>- 6</div><div>(1 x 6)</div></div><div><div>18</div><div>- 18</div><div>(3 x 6)</div></div><div><div>07</div><div>- 6</div><div>(1 x 6)</div></div><div><div>14</div><div>- 12</div><div>(2 x 6)</div></div><div><div>27</div><div>- 24</div><div>(4 x 6)</div></div><div><div>32</div><div>- 30</div><div>(5 x 6)</div></div></div><div>Remainder --> 2</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 6 into 7 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 7 (= 1) Bring down the 8</div> <div>Divide 6 into 18 (= 3) Multiply 3 times 6 (= 18) Subtract 18 from 18 (= 0) Bring down the 7</div> <div>Divide 6 into 07 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 07 (= 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 7</div> <div>Divide 6 into 27 (= 4) Multiply 4 times 6 (= 24) Subtract 24 from 27 (= 3) Bring down the 2</div> <div>Divide 6 into 32 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 32 (= 2) Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>64873 R1</div><div>7</div><div>454112</div></div><div><div><div>- 42</div><div>(6 x 7)</div></div><div><div>34</div><div>- 28</div><div>(4 x 7)</div></div><div><div>61</div><div>- 56</div><div>(8 x 7)</div></div><div><div>51</div><div>- 49</div><div>(7 x 7)</div></div><div><div>22</div><div>- 21</div><div>(3 x 7)</div></div></div><div>Remainder --> 1</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 7 into 45 (= 6) Multiply 6 times 7 (= 42) Subtract 42 from 45 (= 3) Bring down the 4</div> <div>Divide 7 into 34 (= 4) Multiply 4 times 7 (= 28) Subtract 28 from 34 (= 6) Bring down the 1</div> <div>Divide 7 into 61 (= 8) Multiply 8 times 7 (= 56) Subtract 56 from 61 (= 5) Bring down the 1</div> <div>Divide 7 into 51 (= 7) Multiply 7 times 7 (= 49) Subtract 49 from 51 (= 2) Bring down the 2</div> <div>Divide 7 into 22 (= 3) Multiply 3 times 7 (= 21) Subtract 21 from 22 (= 1) Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>125660 R4</div><div>7</div><div>879624</div></div><div><div><div>- 7</div><div>(1 x 7)</div></div><div><div>17</div><div>- 14</div><div>(2 x 7)</div></div><div><div>39</div><div>- 35</div><div>(5 x 7)</div></div><div><div>46</div><div>- 42</div><div>(6 x 7)</div></div><div><div>42</div><div>- 42</div><div>(6 x 7)</div></div><div><div>04</div><div>- 0</div><div>(0 x 7)</div></div></div><div>Remainder --> 4</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 7 into 8 (= 1) Multiply 1 times 7 (= 7) Subtract 7 from 8 (= 1) Bring down the 7</div> <div>Divide 7 into 17 (= 2) Multiply 2 times 7 (= 14) Subtract 14 from 17 (= 3) Bring down the 9</div> <div>Divide 7 into 39 (= 5) Multiply 5 times 7 (= 35) Subtract 35 from 39 (= 4) Bring down the 6</div> <div>Divide 7 into 46 (= 6) Multiply 6 times 7 (= 42) Subtract 42 from 46 (= 4) Bring down the 2</div> <div>Divide 7 into 42 (= 6) Multiply 6 times 7 (= 42) Subtract 42 from 42 (= 0) Bring down the 4</div> <div>Divide 7 into 04 (= 0) Multiply 0 times 7 (= 0) Subtract 0 from 04 (= 4) Done. No more numbers to bring down.</div>
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