

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>55 768</div>	(2) <div>24 961</div>	(3) <div>13 276</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)<div><div>13 R53</div><div>55 768</div><div>- 55</div><div>218</div><div>- 165</div><div>53</div></div><div><div>(1 x 55)</div><div>(3 x 55)</div></div><div>Remainder --> 53</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 55 into 76 (= 1)</div><div>Multiply 1 times 55 (= 55)</div><div>Subtract 55 from 76 (= 21)</div><div>Bring down the 8</div><div>Divide 55 into 218 (= 3)</div><div>Multiply 3 times 55 (= 165)</div><div>Subtract 165 from 218 (= 53)</div><div>Done. No more numbers to bring down.</div></div>	<div>(2)<div><div>40 R1</div><div>24 961</div><div>- 96</div><div>01</div><div>- 0</div><div>1</div></div><div><div>(4 x 24)</div><div>(0 x 24)</div></div><div>Remainder --> 1</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 24 into 96 (= 4)</div><div>Multiply 4 times 24 (= 96)</div><div>Subtract 96 from 96 (= 0)</div><div>Bring down the 1</div><div>Divide 24 into 01 (= 0)</div><div>Multiply 0 times 24 (= 0)</div><div>Subtract 0 from 01 (= 1)</div><div>Done. No more numbers to bring down.</div></div>	<div>(3)<div><div>21 R3</div><div>13 276</div><div>- 26</div><div>16</div><div>- 13</div><div>3</div></div><div><div>(2 x 13)</div><div>(1 x 13)</div></div><div>Remainder --> 3</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 13 into 27 (= 2)</div><div>Multiply 2 times 13 (= 26)</div><div>Subtract 26 from 27 (= 1)</div><div>Bring down the 6</div><div>Divide 13 into 16 (= 1)</div><div>Multiply 1 times 13 (= 13)</div><div>Subtract 13 from 16 (= 3)</div><div>Done. No more numbers to bring down.</div></div>
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