

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>32 89197</div>	(2) <div>24 76430</div>	(3) <div>91 82211</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div><div>(1)</div><div><div><div>2787 R13</div><div>32</div><div>89197</div><div><div><div>- 64</div><div>(2 x 32)</div></div><div><div>251</div><div>- 224</div><div>(7 x 32)</div></div><div><div>279</div><div>- 256</div><div>(8 x 32)</div></div><div><div>237</div><div>- 224</div><div>(7 x 32)</div></div></div><div>Remainder --> 13</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 32 into 89 (= 2)</div><div>Multiply 2 times 32 (= 64)</div><div>Subtract 64 from 89 (= 25)</div><div>Bring down the 1</div><div>Divide 32 into 251 (= 7)</div><div>Multiply 7 times 32 (= 224)</div><div>Subtract 224 from 251 (= 27)</div><div>Bring down the 9</div><div>Divide 32 into 279 (= 8)</div><div>Multiply 8 times 32 (= 256)</div><div>Subtract 256 from 279 (= 23)</div><div>Bring down the 7</div><div>Divide 32 into 237 (= 7)</div><div>Multiply 7 times 32 (= 224)</div><div>Subtract 224 from 237 (= 13)</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(2)</div><div><div><div>3184 R14</div><div>24</div><div>76430</div><div><div><div>- 72</div><div>(3 x 24)</div></div><div><div>44</div><div>- 24</div><div>(1 x 24)</div></div><div><div>203</div><div>- 192</div><div>(8 x 24)</div></div><div><div>110</div><div>- 96</div><div>(4 x 24)</div></div></div><div>Remainder --> 14</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 24 into 76 (= 3)</div><div>Multiply 3 times 24 (= 72)</div><div>Subtract 72 from 76 (= 4)</div><div>Bring down the 4</div><div>Divide 24 into 44 (= 1)</div><div>Multiply 1 times 24 (= 24)</div><div>Subtract 24 from 44 (= 20)</div><div>Bring down the 3</div><div>Divide 24 into 203 (= 8)</div><div>Multiply 8 times 24 (= 192)</div><div>Subtract 192 from 203 (= 11)</div><div>Bring down the 0</div><div>Divide 24 into 110 (= 4)</div><div>Multiply 4 times 24 (= 96)</div><div>Subtract 96 from 110 (= 14)</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(3)</div><div><div><div>903 R38</div><div>91</div><div>82211</div><div><div><div>- 819</div><div>(9 x 91)</div></div><div><div>31</div><div>- 0</div><div>(0 x 91)</div></div><div><div>311</div><div>- 273</div><div>(3 x 91)</div></div></div><div>Remainder --> 38</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 91 into 822 (= 9)</div><div>Multiply 9 times 91 (= 819)</div><div>Subtract 819 from 822 (= 3)</div><div>Bring down the 1</div><div>Divide 91 into 31 (= 0)</div><div>Multiply 0 times 91 (= 0)</div><div>Subtract 0 from 31 (= 31)</div><div>Bring down the 1</div><div>Divide 91 into 311 (= 3)</div><div>Multiply 3 times 91 (= 273)</div><div>Subtract 273 from 311 (= 38)</div><div>Done. No more numbers to bring down.</div></div></div>
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