

# 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>170   69021</div>	(2) <div>412   79506</div>	(3) <div>427   43087</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>406 R1</div><div>170   69021</div><div><div>- 680</div><div>( 4 x 170 )</div></div><div><div>102</div><div>( 0 x 170 )</div></div><div><div>- 0</div><div>( 0 x 170 )</div></div><div><div>1021</div><div>( 6 x 170 )</div></div><div><div>- 1020</div><div>( 6 x 170 )</div></div><div><div>1</div><div>Remainder --&gt;</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 170 into 690 ( = 4 )</div><div>Multiply 4 times 170 ( = 680 )</div><div>Subtract 680 from 690 ( = 10 )</div><div>Bring down the 2</div><div>Divide 170 into 102 ( = 0 )</div><div>Multiply 0 times 170 ( = 0 )</div><div>Subtract 0 from 102 ( = 102 )</div><div>Bring down the 1</div><div>Divide 170 into 1021 ( = 6 )</div><div>Multiply 6 times 170 ( = 1020 )</div><div>Subtract 1020 from 1021 ( = 1 )</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(2)</div><div><div>192 R402</div><div>412   79506</div><div><div>- 412</div><div>( 1 x 412 )</div></div><div><div>3830</div><div>( 9 x 412 )</div></div><div><div>- 3708</div><div>( 9 x 412 )</div></div><div><div>1226</div><div>( 2 x 412 )</div></div><div><div>- 824</div><div>( 2 x 412 )</div></div><div><div>402</div><div>Remainder --&gt;</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 412 into 795 ( = 1 )</div><div>Multiply 1 times 412 ( = 412 )</div><div>Subtract 412 from 795 ( = 383 )</div><div>Bring down the 0</div><div>Divide 412 into 3830 ( = 9 )</div><div>Multiply 9 times 412 ( = 3708 )</div><div>Subtract 3708 from 3830 ( = 122 )</div><div>Bring down the 6</div><div>Divide 412 into 1226 ( = 2 )</div><div>Multiply 2 times 412 ( = 824 )</div><div>Subtract 824 from 1226 ( = 402 )</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(3)</div><div><div>100 R387</div><div>427   43087</div><div><div>- 427</div><div>( 1 x 427 )</div></div><div><div>38</div><div>( 0 x 427 )</div></div><div><div>- 0</div><div>( 0 x 427 )</div></div><div><div>387</div><div>( 0 x 427 )</div></div><div><div>- 0</div><div>( 0 x 427 )</div></div><div><div>387</div><div>Remainder --&gt;</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 427 into 430 ( = 1 )</div><div>Multiply 1 times 427 ( = 427 )</div><div>Subtract 427 from 430 ( = 3 )</div><div>Bring down the 8</div><div>Divide 427 into 38 ( = 0 )</div><div>Multiply 0 times 427 ( = 0 )</div><div>Subtract 0 from 38 ( = 38 )</div><div>Bring down the 7</div><div>Divide 427 into 387 ( = 0 )</div><div>Multiply 0 times 427 ( = 0 )</div><div>Subtract 0 from 387 ( = 387 )</div><div>Done. No more numbers to bring down.</div></div></div>
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