

# 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>416   112615</div>	(2) <div>768   349171</div>	(3) <div>783   332606</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>270 R295</div><div>416</div><div><div><div>112615</div><div><div><div>- 832</div><div>( 2 x 416 )</div></div><div><div>2941</div><div><div>- 2912</div><div>( 7 x 416 )</div></div><div><div>295</div><div><div>- 0</div><div>( 0 x 416 )</div></div></div></div></div><div>Remainder --&gt; 295</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 416 into 1126 ( = 2 )</div><div>Multiply 2 times 416 ( = 832 )</div><div>Subtract 832 from 1126 ( = 294 )</div><div>Bring down the 1</div><div>Divide 416 into 2941 ( = 7 )</div><div>Multiply 7 times 416 ( = 2912 )</div><div>Subtract 2912 from 2941 ( = 29 )</div><div>Bring down the 5</div><div>Divide 416 into 295 ( = 0 )</div><div>Multiply 0 times 416 ( = 0 )</div><div>Subtract 0 from 295 ( = 295 )</div><div>Done. No more numbers to bring down.</div></div></div></div></div>	<div><div>(2)</div><div><div>454 R499</div><div>768</div><div><div><div>349171</div><div><div><div>- 3072</div><div>( 4 x 768 )</div></div><div><div>4197</div><div><div>- 3840</div><div>( 5 x 768 )</div></div><div><div>3571</div><div><div>- 3072</div><div>( 4 x 768 )</div></div></div></div></div><div>Remainder --&gt; 499</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 768 into 3491 ( = 4 )</div><div>Multiply 4 times 768 ( = 3072 )</div><div>Subtract 3072 from 3491 ( = 419 )</div><div>Bring down the 7</div><div>Divide 768 into 4197 ( = 5 )</div><div>Multiply 5 times 768 ( = 3840 )</div><div>Subtract 3840 from 4197 ( = 357 )</div><div>Bring down the 1</div><div>Divide 768 into 3571 ( = 4 )</div><div>Multiply 4 times 768 ( = 3072 )</div><div>Subtract 3072 from 3571 ( = 499 )</div><div>Done. No more numbers to bring down.</div></div></div></div></div>	<div><div>(3)</div><div><div>424 R614</div><div>783</div><div><div><div>332606</div><div><div><div>- 3132</div><div>( 4 x 783 )</div></div><div><div>1940</div><div><div>- 1566</div><div>( 2 x 783 )</div></div><div><div>3746</div><div><div>- 3132</div><div>( 4 x 783 )</div></div></div></div></div><div>Remainder --&gt; 614</div></div></div><div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 783 into 3326 ( = 4 )</div><div>Multiply 4 times 783 ( = 3132 )</div><div>Subtract 3132 from 3326 ( = 194 )</div><div>Bring down the 0</div><div>Divide 783 into 1940 ( = 2 )</div><div>Multiply 2 times 783 ( = 1566 )</div><div>Subtract 1566 from 1940 ( = 374 )</div><div>Bring down the 6</div><div>Divide 783 into 3746 ( = 4 )</div><div>Multiply 4 times 783 ( = 3132 )</div><div>Subtract 3132 from 3746 ( = 614 )</div><div>Done. No more numbers to bring down.</div></div></div></div></div>
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