

# 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>50 <math>\overline{)15705}</math></div>	(2) <div>24 <math>\overline{)66571}</math></div>	(3) <div>91 <math>\overline{)44024}</math></div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)<div><div>314 R5</div><div>50<div>15705</div><div>- 150<div>( 3 x 50 )</div></div><div>70</div><div>- 50<div>( 1 x 50 )</div></div><div>205</div><div>- 200<div>( 4 x 50 )</div></div></div><div>Remainder --&gt; 5</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 50 into 157 ( = 3 ) Multiply 3 times 50 ( = 150 ) Subtract 150 from 157 ( = 7 ) Bring down the 0</div><div>Divide 50 into 70 ( = 1 ) Multiply 1 times 50 ( = 50 ) Subtract 50 from 70 ( = 20 ) Bring down the 5</div><div>Divide 50 into 205 ( = 4 ) Multiply 4 times 50 ( = 200 ) Subtract 200 from 205 ( = 5 ) Done. No more numbers to bring down.</div></div></div>	<div>(2)<div><div>2773 R19</div><div>24<div>66571</div><div>- 48<div>( 2 x 24 )</div></div><div>185</div><div>- 168<div>( 7 x 24 )</div></div><div>177</div><div>- 168<div>( 7 x 24 )</div></div></div><div>91</div><div>- 72<div>( 3 x 24 )</div></div><div>Remainder --&gt; 19</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 24 into 66 ( = 2 ) Multiply 2 times 24 ( = 48 ) Subtract 48 from 66 ( = 18 ) Bring down the 5</div><div>Divide 24 into 185 ( = 7 ) Multiply 7 times 24 ( = 168 ) Subtract 168 from 185 ( = 17 ) Bring down the 7</div><div>Divide 24 into 177 ( = 7 ) Multiply 7 times 24 ( = 168 ) Subtract 168 from 177 ( = 9 ) Bring down the 1</div><div>Divide 24 into 91 ( = 3 ) Multiply 3 times 24 ( = 72 ) Subtract 72 from 91 ( = 19 ) Done. No more numbers to bring down.</div></div></div>	<div>(3)<div><div>483 R71</div><div>91<div>44024</div><div>- 364<div>( 4 x 91 )</div></div><div>762</div><div>- 728<div>( 8 x 91 )</div></div><div>344</div><div>- 273<div>( 3 x 91 )</div></div></div><div>Remainder --&gt; 71</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 91 into 440 ( = 4 ) Multiply 4 times 91 ( = 364 ) Subtract 364 from 440 ( = 76 ) Bring down the 2</div><div>Divide 91 into 762 ( = 8 ) Multiply 8 times 91 ( = 728 ) Subtract 728 from 762 ( = 34 ) Bring down the 4</div><div>Divide 91 into 344 ( = 3 ) Multiply 3 times 91 ( = 273 ) Subtract 273 from 344 ( = 71 ) Done. No more numbers to bring down.</div></div></div>
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