

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

<div>(1)</div> <div>54 $\overline{)1046}$</div>	<div>(2)</div> <div>18 $\overline{)5866}$</div>	<div>(3)</div> <div>32 $\overline{)7202}$</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>(1)</div> <div><div><div>19 R20</div><div>54</div><div>1046</div><div>- 54</div><div>506</div><div>- 486</div><div>20</div></div><div><div>(1 x 54)</div><div>(9 x 54)</div></div></div> <div>Remainder --> 20</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 54 into 104 (= 1)</div> <div>Multiply 1 times 54 (= 54)</div> <div>Subtract 54 from 104 (= 50)</div> <div>Bring down the 6</div> <div>Divide 54 into 506 (= 9)</div> <div>Multiply 9 times 54 (= 486)</div> <div>Subtract 486 from 506 (= 20)</div> <div>Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>325 R16</div><div>18</div><div>5866</div><div>- 54</div><div>46</div><div>- 36</div><div>106</div><div>- 90</div><div>16</div></div><div><div>(3 x 18)</div><div>(2 x 18)</div><div>(5 x 18)</div></div></div> <div>Remainder --> 16</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 18 into 58 (= 3)</div> <div>Multiply 3 times 18 (= 54)</div> <div>Subtract 54 from 58 (= 4)</div> <div>Bring down the 6</div> <div>Divide 18 into 46 (= 2)</div> <div>Multiply 2 times 18 (= 36)</div> <div>Subtract 36 from 46 (= 10)</div> <div>Bring down the 6</div> <div>Divide 18 into 106 (= 5)</div> <div>Multiply 5 times 18 (= 90)</div> <div>Subtract 90 from 106 (= 16)</div> <div>Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>225 R2</div><div>32</div><div>7202</div><div>- 64</div><div>80</div><div>- 64</div><div>162</div><div>- 160</div><div>2</div></div><div><div>(2 x 32)</div><div>(2 x 32)</div><div>(5 x 32)</div></div></div> <div>Remainder --> 2</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 32 into 72 (= 2)</div> <div>Multiply 2 times 32 (= 64)</div> <div>Subtract 64 from 72 (= 8)</div> <div>Bring down the 0</div> <div>Divide 32 into 80 (= 2)</div> <div>Multiply 2 times 32 (= 64)</div> <div>Subtract 64 from 80 (= 16)</div> <div>Bring down the 2</div> <div>Divide 32 into 162 (= 5)</div> <div>Multiply 5 times 32 (= 160)</div> <div>Subtract 160 from 162 (= 2)</div> <div>Done. No more numbers to bring down.</div>
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