

# 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>918   9264694</div>	<div>(2)</div> <div>947   7751417</div>	<div>(3)</div> <div>104   7022651</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)</div> <div><div><div>10092 R238</div><div>918</div><div>9264694</div><div>- 918</div><div>84</div><div>- 0</div><div>846</div><div>- 0</div><div>8469</div><div>- 8262</div><div>2074</div><div>- 1836</div><div>238</div></div><div>Remainder --&gt;</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 918 into 926 (= 1 ) Multiply 1 times 918 (= 918 ) Subtract 918 from 926 (= 8 ) Bring down the 4</div> <div>Divide 918 into 84 (= 0 ) Multiply 0 times 918 (= 0 ) Subtract 0 from 84 (= 84 ) Bring down the 6</div> <div>Divide 918 into 846 (= 0 ) Multiply 0 times 918 (= 0 ) Subtract 0 from 846 (= 846 ) Bring down the 9</div> <div>Divide 918 into 8469 (= 9 ) Multiply 9 times 918 (= 8262 ) Subtract 8262 from 8469 (= 207 ) Bring down the 4</div> <div>Divide 918 into 2074 (= 2 ) Multiply 2 times 918 (= 1836 ) Subtract 1836 from 2074 (= 238 ) Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>8185 R222</div><div>947</div><div>7751417</div><div>- 7576</div><div>1754</div><div>- 947</div><div>8071</div><div>- 7576</div><div>4957</div><div>- 4735</div><div>222</div></div><div>Remainder --&gt;</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 947 into 7751 (= 8 ) Multiply 8 times 947 (= 7576 ) Subtract 7576 from 7751 (= 175 ) Bring down the 4</div> <div>Divide 947 into 1754 (= 1 ) Multiply 1 times 947 (= 947 ) Subtract 947 from 1754 (= 807 ) Bring down the 1</div> <div>Divide 947 into 8071 (= 8 ) Multiply 8 times 947 (= 7576 ) Subtract 7576 from 8071 (= 495 ) Bring down the 7</div> <div>Divide 947 into 4957 (= 5 ) Multiply 5 times 947 (= 4735 ) Subtract 4735 from 4957 (= 222 ) Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>67525 R51</div><div>104</div><div>7022651</div><div>- 624</div><div>782</div><div>- 728</div><div>546</div><div>- 520</div><div>265</div><div>- 208</div><div>571</div><div>- 520</div><div>51</div></div><div>Remainder --&gt;</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 104 into 702 (= 6 ) Multiply 6 times 104 (= 624 ) Subtract 624 from 702 (= 78 ) Bring down the 2</div> <div>Divide 104 into 782 (= 7 ) Multiply 7 times 104 (= 728 ) Subtract 728 from 782 (= 54 ) Bring down the 6</div> <div>Divide 104 into 546 (= 5 ) Multiply 5 times 104 (= 520 ) Subtract 520 from 546 (= 26 ) Bring down the 5</div> <div>Divide 104 into 265 (= 2 ) Multiply 2 times 104 (= 208 ) Subtract 208 from 265 (= 57 ) Bring down the 1</div> <div>Divide 104 into 571 (= 5 ) Multiply 5 times 104 (= 520 ) Subtract 520 from 571 (= 51 ) Done. No more numbers to bring down.</div>
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