

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>729 278813</div>	(2) <div>599 854588</div>	(3) <div>120 979174</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>382 R335</div><div>729</div><div>278813</div><div>- 2187</div><div>6011</div><div>- 5832</div><div>1793</div><div>- 1458</div><div>335</div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 729 into 2788 (= 3)</div><div>Multiply 3 times 729 (= 2187)</div><div>Subtract 2187 from 2788 (= 601)</div><div>Bring down the 1</div><div>Divide 729 into 6011 (= 8)</div><div>Multiply 8 times 729 (= 5832)</div><div>Subtract 5832 from 6011 (= 179)</div><div>Bring down the 3</div><div>Divide 729 into 1793 (= 2)</div><div>Multiply 2 times 729 (= 1458)</div><div>Subtract 1458 from 1793 (= 335)</div><div>Done. No more numbers to bring down.</div></div>	<div>(2)</div> <div><div><div>1426 R414</div><div>599</div><div>854588</div><div>- 599</div><div>2555</div><div>- 2396</div><div>1598</div><div>- 1198</div><div>4008</div><div>- 3594</div><div>414</div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 599 into 854 (= 1)</div><div>Multiply 1 times 599 (= 599)</div><div>Subtract 599 from 854 (= 255)</div><div>Bring down the 5</div><div>Divide 599 into 2555 (= 4)</div><div>Multiply 4 times 599 (= 2396)</div><div>Subtract 2396 from 2555 (= 159)</div><div>Bring down the 8</div><div>Divide 599 into 1598 (= 2)</div><div>Multiply 2 times 599 (= 1198)</div><div>Subtract 1198 from 1598 (= 400)</div><div>Bring down the 8</div><div>Divide 599 into 4008 (= 6)</div><div>Multiply 6 times 599 (= 3594)</div><div>Subtract 3594 from 4008 (= 414)</div><div>Done. No more numbers to bring down.</div></div>	<div>(3)</div> <div><div><div>8159 R94</div><div>120</div><div>979174</div><div>- 960</div><div>191</div><div>- 120</div><div>717</div><div>- 600</div><div>1174</div><div>- 1080</div><div>94</div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 120 into 979 (= 8)</div><div>Multiply 8 times 120 (= 960)</div><div>Subtract 960 from 979 (= 19)</div><div>Bring down the 1</div><div>Divide 120 into 191 (= 1)</div><div>Multiply 1 times 120 (= 120)</div><div>Subtract 120 from 191 (= 71)</div><div>Bring down the 7</div><div>Divide 120 into 717 (= 5)</div><div>Multiply 5 times 120 (= 600)</div><div>Subtract 600 from 717 (= 117)</div><div>Bring down the 4</div><div>Divide 120 into 1174 (= 9)</div><div>Multiply 9 times 120 (= 1080)</div><div>Subtract 1080 from 1174 (= 94)</div><div>Done. No more numbers to bring down.</div></div>
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