

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>823 9890301</div>	<div>(2)</div> <div>642 6369684</div>	<div>(3)</div> <div>194 4294468</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)<div><div>12017 R310</div><div>823<div>9890301</div><div><div><div>- 823</div><div>1660</div><div>- 1646</div><div>143</div><div>- 0</div><div>1430</div><div>- 823</div><div>6071</div><div>- 5761</div></div><div>310</div></div></div><div>Remainder --></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 823 into 989 (= 1) Multiply 1 times 823 (= 823) Subtract 823 from 989 (= 166) Bring down the 0 Divide 823 into 1660 (= 2) Multiply 2 times 823 (= 1646) Subtract 1646 from 1660 (= 14) Bring down the 3 Divide 823 into 143 (= 0) Multiply 0 times 823 (= 0) Subtract 0 from 143 (= 143) Bring down the 0 Divide 823 into 1430 (= 1) Multiply 1 times 823 (= 823) Subtract 823 from 1430 (= 607) Bring down the 1 Divide 823 into 6071 (= 7) Multiply 7 times 823 (= 5761) Subtract 5761 from 6071 (= 310) Done. No more numbers to bring down.</div></div>	<div>(2)<div><div>9921 R402</div><div>642<div>6369684</div><div><div><div>- 5778</div><div>5916</div><div>- 5778</div><div>1388</div><div>- 1284</div><div>1044</div><div>- 642</div></div><div>402</div></div></div><div>Remainder --></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 642 into 6369 (= 9) Multiply 9 times 642 (= 5778) Subtract 5778 from 6369 (= 591) Bring down the 6 Divide 642 into 5916 (= 9) Multiply 9 times 642 (= 5778) Subtract 5778 from 5916 (= 138) Bring down the 8 Divide 642 into 1388 (= 2) Multiply 2 times 642 (= 1284) Subtract 1284 from 1388 (= 104) Bring down the 4 Divide 642 into 1044 (= 1) Multiply 1 times 642 (= 642) Subtract 642 from 1044 (= 402) Done. No more numbers to bring down.</div></div>	<div>(3)<div><div>22136 R84</div><div>194<div>4294468</div><div><div><div>- 388</div><div>414</div><div>- 388</div><div>264</div><div>- 194</div><div>706</div><div>- 582</div><div>1248</div><div>- 1164</div></div><div>84</div></div></div><div>Remainder --></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 194 into 429 (= 2) Multiply 2 times 194 (= 388) Subtract 388 from 429 (= 41) Bring down the 4 Divide 194 into 414 (= 2) Multiply 2 times 194 (= 388) Subtract 388 from 414 (= 26) Bring down the 4 Divide 194 into 264 (= 1) Multiply 1 times 194 (= 194) Subtract 194 from 264 (= 70) Bring down the 6 Divide 194 into 706 (= 3) Multiply 3 times 194 (= 582) Subtract 582 from 706 (= 124) Bring down the 8 Divide 194 into 1248 (= 6) Multiply 6 times 194 (= 1164) Subtract 1164 from 1248 (= 84) Done. No more numbers to bring down.</div></div>
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