

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

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| <div>(1)</div> <div>823 1570128</div> | <div>(2)</div> <div>300 4375204</div> | <div>(3)</div> <div>722 8378761</div> |
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

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| <div><div>(1)</div><div><div>1907 R667</div><div>823</div><div>1570128</div><div><div><div>- 823</div><div>(1 x 823)</div></div><div><div>7471</div><div>- 7407</div><div>(9 x 823)</div></div><div><div>642</div><div>- 0</div><div>(0 x 823)</div></div><div><div>6428</div><div>- 5761</div><div>(7 x 823)</div></div></div><div>Remainder --> 667</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 823 into 1570 (= 1)</div><div>Multiply 1 times 823 (= 823)</div><div>Subtract 823 from 1570 (= 747)</div><div>Bring down the 1</div><div>Divide 823 into 7471 (= 9)</div><div>Multiply 9 times 823 (= 7407)</div><div>Subtract 7407 from 7471 (= 64)</div><div>Bring down the 2</div><div>Divide 823 into 642 (= 0)</div><div>Multiply 0 times 823 (= 0)</div><div>Subtract 0 from 642 (= 642)</div><div>Bring down the 8</div><div>Divide 823 into 6428 (= 7)</div><div>Multiply 7 times 823 (= 5761)</div><div>Subtract 5761 from 6428 (= 667)</div><div>Done. No more numbers to bring down.</div></div></div> <td><div><div>(2)</div><div><div>14584 R4</div><div>300</div><div>4375204</div><div><div><div>- 300</div><div>(1 x 300)</div></div><div><div>1375</div><div>- 1200</div><div>(4 x 300)</div></div><div><div>1752</div><div>- 1500</div><div>(5 x 300)</div></div><div><div>2520</div><div>- 2400</div><div>(8 x 300)</div></div><div><div>1204</div><div>- 1200</div><div>(4 x 300)</div></div></div><div>Remainder --> 4</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 300 into 437 (= 1)</div><div>Multiply 1 times 300 (= 300)</div><div>Subtract 300 from 437 (= 137)</div><div>Bring down the 5</div><div>Divide 300 into 1375 (= 4)</div><div>Multiply 4 times 300 (= 1200)</div><div>Subtract 1200 from 1375 (= 175)</div><div>Bring down the 2</div><div>Divide 300 into 1752 (= 5)</div><div>Multiply 5 times 300 (= 1500)</div><div>Subtract 1500 from 1752 (= 252)</div><div>Bring down the 0</div><div>Divide 300 into 2520 (= 8)</div><div>Multiply 8 times 300 (= 2400)</div><div>Subtract 2400 from 2520 (= 120)</div><div>Bring down the 4</div><div>Divide 300 into 1204 (= 4)</div><div>Multiply 4 times 300 (= 1200)</div><div>Subtract 1200 from 1204 (= 4)</div><div>Done. 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