

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>31 7467786</div>	<div>(2)</div> <div>48 6187012</div>	<div>(3)</div> <div>96 9546065</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>240896 R10</div><div>31</div><div><div>7467786</div><div><div><div>- 62</div><div>(2 x 31)</div></div><div><div>126</div><div>- 124</div><div>(4 x 31)</div></div><div><div>27</div><div>- 0</div><div>(0 x 31)</div></div><div><div>277</div><div>- 248</div><div>(8 x 31)</div></div><div><div>298</div><div>- 279</div><div>(9 x 31)</div></div><div><div>196</div><div>- 186</div><div>(6 x 31)</div></div></div><div>10</div></div></div><div>Remainder --></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 31 into 74 (= 2) Multiply 2 times 31 (= 62) Subtract 62 from 74 (= 12) Bring down the 6</div><div>Divide 31 into 126 (= 4) Multiply 4 times 31 (= 124) Subtract 124 from 126 (= 2) Bring down the 7</div><div>Divide 31 into 27 (= 0) Multiply 0 times 31 (= 0) Subtract 0 from 27 (= 27) Bring down the 7</div><div>Divide 31 into 277 (= 8) Multiply 8 times 31 (= 248) Subtract 248 from 277 (= 29) Bring down the 8</div><div>Divide 31 into 298 (= 9) Multiply 9 times 31 (= 279) Subtract 279 from 298 (= 19) Bring down the 6</div><div>Divide 31 into 196 (= 6) Multiply 6 times 31 (= 186) Subtract 186 from 196 (= 10) Done. No more numbers to bring down.</div></div>	<div>(2)</div> <div><div><div>128896 R4</div><div>48</div><div><div>6187012</div><div><div><div>- 48</div><div>(1 x 48)</div></div><div><div>138</div><div>- 96</div><div>(2 x 48)</div></div><div><div>427</div><div>- 384</div><div>(8 x 48)</div></div><div><div>430</div><div>- 384</div><div>(8 x 48)</div></div><div><div>461</div><div>- 432</div><div>(9 x 48)</div></div><div><div>292</div><div>- 288</div><div>(6 x 48)</div></div></div><div>4</div></div></div><div>Remainder --></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 48 into 61 (= 1) Multiply 1 times 48 (= 48) Subtract 48 from 61 (= 13) Bring down the 8</div><div>Divide 48 into 138 (= 2) Multiply 2 times 48 (= 96) Subtract 96 from 138 (= 42) Bring down the 7</div><div>Divide 48 into 427 (= 8) Multiply 8 times 48 (= 384) Subtract 384 from 427 (= 43) Bring down the 0</div><div>Divide 48 into 430 (= 8) Multiply 8 times 48 (= 384) Subtract 384 from 430 (= 46) Bring down the 1</div><div>Divide 48 into 461 (= 9) Multiply 9 times 48 (= 432) Subtract 432 from 461 (= 29) Bring down the 2</div><div>Divide 48 into 292 (= 6) Multiply 6 times 48 (= 288) Subtract 288 from 292 (= 4) Done. No more numbers to bring down.</div></div>	<div>(3)</div> <div><div><div>99438 R17</div><div>96</div><div><div>9546065</div><div><div><div>- 864</div><div>(9 x 96)</div></div><div><div>906</div><div>- 864</div><div>(9 x 96)</div></div><div><div>420</div><div>- 384</div><div>(4 x 96)</div></div><div><div>366</div><div>- 288</div><div>(3 x 96)</div></div><div><div>785</div><div>- 768</div><div>(8 x 96)</div></div></div><div>17</div></div></div><div>Remainder --></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 96 into 954 (= 9) Multiply 9 times 96 (= 864) Subtract 864 from 954 (= 90) Bring down the 6</div><div>Divide 96 into 906 (= 9) Multiply 9 times 96 (= 864) Subtract 864 from 906 (= 42) Bring down the 0</div><div>Divide 96 into 420 (= 4) Multiply 4 times 96 (= 384) Subtract 384 from 420 (= 36) Bring down the 6</div><div>Divide 96 into 366 (= 3) Multiply 3 times 96 (= 288) Subtract 288 from 366 (= 78) Bring down the 5</div><div>Divide 96 into 785 (= 8) Multiply 8 times 96 (= 768) Subtract 768 from 785 (= 17) Done. No more numbers to bring down.</div></div>
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