

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>17 511802</div>	(2) <div>72 609712</div>	(3) <div>26 517723</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><div>(1)</div><div><div>30106 R0</div><div>17 511802</div><div><div>- 51</div><div>(3 x 17)</div></div><div><div>01</div><div>- 0</div><div>(0 x 17)</div></div><div><div>18</div><div>- 17</div><div>(1 x 17)</div></div><div><div>10</div><div>- 0</div><div>(0 x 17)</div></div><div><div>102</div><div>- 102</div><div>(6 x 17)</div></div></div><div>Remainder --> 0</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 17 into 51 (= 3)</div><div>Multiply 3 times 17 (= 51)</div><div>Subtract 51 from 51 (= 0)</div><div>Bring down the 1</div><div>Divide 17 into 01 (= 0)</div><div>Multiply 0 times 17 (= 0)</div><div>Subtract 0 from 01 (= 1)</div><div>Bring down the 8</div><div>Divide 17 into 18 (= 1)</div><div>Multiply 1 times 17 (= 17)</div><div>Subtract 17 from 18 (= 1)</div><div>Bring down the 0</div><div>Divide 17 into 10 (= 0)</div><div>Multiply 0 times 17 (= 0)</div><div>Subtract 0 from 10 (= 10)</div><div>Bring down the 2</div><div>Divide 17 into 102 (= 6)</div><div>Multiply 6 times 17 (= 102)</div><div>Subtract 102 from 102 (= 0)</div><div>Done. No more numbers to bring down.</div></div>	<div><div>(2)</div><div><div>8468 R16</div><div>72 609712</div><div><div>- 576</div><div>(8 x 72)</div></div><div><div>337</div><div>- 288</div><div>(4 x 72)</div></div><div><div>491</div><div>- 432</div><div>(6 x 72)</div></div><div><div>592</div><div>- 576</div><div>(8 x 72)</div></div></div><div>Remainder --> 16</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 72 into 609 (= 8)</div><div>Multiply 8 times 72 (= 576)</div><div>Subtract 576 from 609 (= 33)</div><div>Bring down the 7</div><div>Divide 72 into 337 (= 4)</div><div>Multiply 4 times 72 (= 288)</div><div>Subtract 288 from 337 (= 49)</div><div>Bring down the 1</div><div>Divide 72 into 491 (= 6)</div><div>Multiply 6 times 72 (= 432)</div><div>Subtract 432 from 491 (= 59)</div><div>Bring down the 2</div><div>Divide 72 into 592 (= 8)</div><div>Multiply 8 times 72 (= 576)</div><div>Subtract 576 from 592 (= 16)</div><div>Done. No more numbers to bring down.</div></div>	<div><div>(3)</div><div><div>19912 R11</div><div>26 517723</div><div><div>- 26</div><div>(1 x 26)</div></div><div><div>257</div><div>- 234</div><div>(9 x 26)</div></div><div><div>237</div><div>- 234</div><div>(9 x 26)</div></div><div><div>32</div><div>- 26</div><div>(1 x 26)</div></div><div><div>63</div><div>- 52</div><div>(2 x 26)</div></div></div><div>Remainder --> 11</div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 26 into 51 (= 1)</div><div>Multiply 1 times 26 (= 26)</div><div>Subtract 26 from 51 (= 25)</div><div>Bring down the 7</div><div>Divide 26 into 257 (= 9)</div><div>Multiply 9 times 26 (= 234)</div><div>Subtract 234 from 257 (= 23)</div><div>Bring down the 7</div><div>Divide 26 into 237 (= 9)</div><div>Multiply 9 times 26 (= 234)</div><div>Subtract 234 from 237 (= 3)</div><div>Bring down the 2</div><div>Divide 26 into 32 (= 1)</div><div>Multiply 1 times 26 (= 26)</div><div>Subtract 26 from 32 (= 6)</div><div>Bring down the 3</div><div>Divide 26 into 63 (= 2)</div><div>Multiply 2 times 26 (= 52)</div><div>Subtract 52 from 63 (= 11)</div><div>Done. No more numbers to bring down.</div></div>
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