

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>71 7330658</div>	(2) <div>16 2892634</div>	(3) <div>75 5374428</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div><p>(1)</p><div><div>103248 R50</div><div>71</div><div>7330658</div><div><div>- 71</div><div>(1 x 71)</div></div><div><div>23</div><div>- 0</div><div>(0 x 71)</div></div><div><div>230</div><div>- 213</div><div>(3 x 71)</div></div><div><div>176</div><div>- 142</div><div>(2 x 71)</div></div><div><div>345</div><div>- 284</div><div>(4 x 71)</div></div><div><div>618</div><div>- 568</div><div>(8 x 71)</div></div><div>Remainder --> 50</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 71 into 73 (= 1)</div><div>Multiply 1 times 71 (= 71)</div><div>Subtract 71 from 73 (= 2)</div><div>Bring down the 3</div><div>Divide 71 into 23 (= 0)</div><div>Multiply 0 times 71 (= 0)</div><div>Subtract 0 from 23 (= 23)</div><div>Bring down the 0</div><div>Divide 71 into 230 (= 3)</div><div>Multiply 3 times 71 (= 213)</div><div>Subtract 213 from 230 (= 17)</div><div>Bring down the 6</div><div>Divide 71 into 176 (= 2)</div><div>Multiply 2 times 71 (= 142)</div><div>Subtract 142 from 176 (= 34)</div><div>Bring down the 5</div><div>Divide 71 into 345 (= 4)</div><div>Multiply 4 times 71 (= 284)</div><div>Subtract 284 from 345 (= 61)</div><div>Bring down the 8</div><div>Divide 71 into 618 (= 8)</div><div>Multiply 8 times 71 (= 568)</div><div>Subtract 568 from 618 (= 50)</div><div>Done. No more numbers to bring down.</div></div>	<div><p>(2)</p><div><div>180789 R10</div><div>16</div><div>2892634</div><div><div>- 16</div><div>(1 x 16)</div></div><div><div>129</div><div>- 128</div><div>(8 x 16)</div></div><div><div>12</div><div>- 0</div><div>(0 x 16)</div></div><div><div>126</div><div>- 112</div><div>(7 x 16)</div></div><div><div>143</div><div>- 128</div><div>(8 x 16)</div></div><div><div>154</div><div>- 144</div><div>(9 x 16)</div></div><div>Remainder --> 10</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 16 into 28 (= 1)</div><div>Multiply 1 times 16 (= 16)</div><div>Subtract 16 from 28 (= 12)</div><div>Bring down the 9</div><div>Divide 16 into 129 (= 8)</div><div>Multiply 8 times 16 (= 128)</div><div>Subtract 128 from 129 (= 1)</div><div>Bring down the 2</div><div>Divide 16 into 12 (= 0)</div><div>Multiply 0 times 16 (= 0)</div><div>Subtract 0 from 12 (= 12)</div><div>Bring down the 6</div><div>Divide 16 into 126 (= 7)</div><div>Multiply 7 times 16 (= 112)</div><div>Subtract 112 from 126 (= 14)</div><div>Bring down the 3</div><div>Divide 16 into 143 (= 8)</div><div>Multiply 8 times 16 (= 128)</div><div>Subtract 128 from 143 (= 15)</div><div>Bring down the 4</div><div>Divide 16 into 154 (= 9)</div><div>Multiply 9 times 16 (= 144)</div><div>Subtract 144 from 154 (= 10)</div><div>Done. No more numbers to bring down.</div></div>	<div><p>(3)</p><div><div>71659 R3</div><div>75</div><div>5374428</div><div><div>- 525</div><div>(7 x 75)</div></div><div><div>124</div><div>- 75</div><div>(1 x 75)</div></div><div><div>494</div><div>- 450</div><div>(6 x 75)</div></div><div><div>442</div><div>- 375</div><div>(5 x 75)</div></div><div><div>678</div><div>- 675</div><div>(9 x 75)</div></div><div>Remainder --> 3</div></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div><div>Divide 75 into 537 (= 7)</div><div>Multiply 7 times 75 (= 525)</div><div>Subtract 525 from 537 (= 12)</div><div>Bring down the 4</div><div>Divide 75 into 124 (= 1)</div><div>Multiply 1 times 75 (= 75)</div><div>Subtract 75 from 124 (= 49)</div><div>Bring down the 4</div><div>Divide 75 into 494 (= 6)</div><div>Multiply 6 times 75 (= 450)</div><div>Subtract 450 from 494 (= 44)</div><div>Bring down the 2</div><div>Divide 75 into 442 (= 5)</div><div>Multiply 5 times 75 (= 375)</div><div>Subtract 375 from 442 (= 67)</div><div>Bring down the 8</div><div>Divide 75 into 678 (= 9)</div><div>Multiply 9 times 75 (= 675)</div><div>Subtract 675 from 678 (= 3)</div><div>Done. No more numbers to bring down.</div></div>
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