

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>18 5273275</div>	(2) <div>81 9030698</div>	(3) <div>77 1844833</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div><div>(1)</div><div><div>292959 R13</div><div>18</div><div><div>5273275</div><div><div><div>- 36</div><div>(2 x 18)</div></div><div><div>167</div><div>- 162</div><div>(9 x 18)</div></div><div><div>53</div><div>- 36</div><div>(2 x 18)</div></div><div><div>172</div><div>- 162</div><div>(9 x 18)</div></div><div><div>107</div><div>- 90</div><div>(5 x 18)</div></div><div><div>175</div><div>- 162</div><div>(9 x 18)</div></div></div><div>Remainder --> 13</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 18 into 52 (= 2)</div><div>Multiply 2 times 18 (= 36)</div><div>Subtract 36 from 52 (= 16)</div><div>Bring down the 7</div><div>Divide 18 into 167 (= 9)</div><div>Multiply 9 times 18 (= 162)</div><div>Subtract 162 from 167 (= 5)</div><div>Bring down the 3</div><div>Divide 18 into 53 (= 2)</div><div>Multiply 2 times 18 (= 36)</div><div>Subtract 36 from 53 (= 17)</div><div>Bring down the 2</div><div>Divide 18 into 172 (= 9)</div><div>Multiply 9 times 18 (= 162)</div><div>Subtract 162 from 172 (= 10)</div><div>Bring down the 7</div><div>Divide 18 into 107 (= 5)</div><div>Multiply 5 times 18 (= 90)</div><div>Subtract 90 from 107 (= 17)</div><div>Bring down the 5</div><div>Divide 18 into 175 (= 9)</div><div>Multiply 9 times 18 (= 162)</div><div>Subtract 162 from 175 (= 13)</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(2)</div><div><div>111490 R8</div><div>81</div><div><div>9030698</div><div><div><div>- 81</div><div>(1 x 81)</div></div><div><div>93</div><div>- 81</div><div>(1 x 81)</div></div><div><div>120</div><div>- 81</div><div>(1 x 81)</div></div><div><div>396</div><div>- 324</div><div>(4 x 81)</div></div><div><div>729</div><div>- 729</div><div>(9 x 81)</div></div><div><div>08</div><div>- 0</div><div>(0 x 81)</div></div></div><div>Remainder --> 8</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 81 into 90 (= 1)</div><div>Multiply 1 times 81 (= 81)</div><div>Subtract 81 from 90 (= 9)</div><div>Bring down the 3</div><div>Divide 81 into 93 (= 1)</div><div>Multiply 1 times 81 (= 81)</div><div>Subtract 81 from 93 (= 12)</div><div>Bring down the 0</div><div>Divide 81 into 120 (= 1)</div><div>Multiply 1 times 81 (= 81)</div><div>Subtract 81 from 120 (= 39)</div><div>Bring down the 6</div><div>Divide 81 into 396 (= 4)</div><div>Multiply 4 times 81 (= 324)</div><div>Subtract 324 from 396 (= 72)</div><div>Bring down the 9</div><div>Divide 81 into 729 (= 9)</div><div>Multiply 9 times 81 (= 729)</div><div>Subtract 729 from 729 (= 0)</div><div>Bring down the 8</div><div>Divide 81 into 08 (= 0)</div><div>Multiply 0 times 81 (= 0)</div><div>Subtract 0 from 08 (= 8)</div><div>Done. No more numbers to bring down.</div></div></div>	<div><div>(3)</div><div><div>23958 R67</div><div>77</div><div><div>1844833</div><div><div><div>- 154</div><div>(2 x 77)</div></div><div><div>304</div><div>- 231</div><div>(3 x 77)</div></div><div><div>738</div><div>- 693</div><div>(9 x 77)</div></div><div><div>453</div><div>- 385</div><div>(5 x 77)</div></div><div><div>683</div><div>- 616</div><div>(8 x 77)</div></div></div><div>Remainder --> 67</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 77 into 184 (= 2)</div><div>Multiply 2 times 77 (= 154)</div><div>Subtract 154 from 184 (= 30)</div><div>Bring down the 4</div><div>Divide 77 into 304 (= 3)</div><div>Multiply 3 times 77 (= 231)</div><div>Subtract 231 from 304 (= 73)</div><div>Bring down the 8</div><div>Divide 77 into 738 (= 9)</div><div>Multiply 9 times 77 (= 693)</div><div>Subtract 693 from 738 (= 45)</div><div>Bring down the 3</div><div>Divide 77 into 453 (= 5)</div><div>Multiply 5 times 77 (= 385)</div><div>Subtract 385 from 453 (= 68)</div><div>Bring down the 3</div><div>Divide 77 into 683 (= 8)</div><div>Multiply 8 times 77 (= 616)</div><div>Subtract 616 from 683 (= 67)</div><div>Done. No more numbers to bring down.</div></div></div>
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