

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>28 766314</div>	(2) <div>86 791997</div>	(3) <div>25 271872</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> <div> <div> <div>27368</div> <div>R10</div> </div> <div> <div>28</div> <div>766314</div> </div> </div> <div> <div>- 56</div> <div>(2 x 28)</div> </div> <div> <div>206</div> <div>- 196</div> <div>(7 x 28)</div> </div> <div> <div>103</div> <div>- 84</div> <div>(3 x 28)</div> </div> <div> <div>191</div> <div>- 168</div> <div>(6 x 28)</div> </div> <div> <div>234</div> <div>- 224</div> <div>(8 x 28)</div> </div> <div> <div>Remainder --></div> <div>10</div> </div> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 28 into 76 (= 2) Multiply 2 times 28 (= 56) Subtract 56 from 76 (= 20) Bring down the 6</p> <p>Divide 28 into 206 (= 7) Multiply 7 times 28 (= 196) Subtract 196 from 206 (= 10) Bring down the 3</p> <p>Divide 28 into 103 (= 3) Multiply 3 times 28 (= 84) Subtract 84 from 103 (= 19) Bring down the 1</p> <p>Divide 28 into 191 (= 6) Multiply 6 times 28 (= 168) Subtract 168 from 191 (= 23) Bring down the 4</p> <p>Divide 28 into 234 (= 8) Multiply 8 times 28 (= 224) Subtract 224 from 234 (= 10) Done. No more numbers to bring down.</p>	<p>(2)</p> <div> <div> <div>9209</div> <div>R23</div> </div> <div> <div>86</div> <div>791997</div> </div> </div> <div> <div>- 774</div> <div>(9 x 86)</div> </div> <div> <div>179</div> <div>- 172</div> <div>(2 x 86)</div> </div> <div> <div>79</div> <div>- 0</div> <div>(0 x 86)</div> </div> <div> <div>797</div> <div>- 774</div> <div>(9 x 86)</div> </div> <div> <div>Remainder --></div> <div>23</div> </div> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 86 into 791 (= 9) Multiply 9 times 86 (= 774) Subtract 774 from 791 (= 17) Bring down the 9</p> <p>Divide 86 into 179 (= 2) Multiply 2 times 86 (= 172) Subtract 172 from 179 (= 7) Bring down the 9</p> <p>Divide 86 into 79 (= 0) Multiply 0 times 86 (= 0) Subtract 0 from 79 (= 79) Bring down the 7</p> <p>Divide 86 into 797 (= 9) Multiply 9 times 86 (= 774) Subtract 774 from 797 (= 23) Done. No more numbers to bring down.</p>	<p>(3)</p> <div> <div> <div>10874</div> <div>R22</div> </div> <div> <div>25</div> <div>271872</div> </div> </div> <div> <div>- 25</div> <div>(1 x 25)</div> </div> <div> <div>21</div> <div>- 0</div> <div>(0 x 25)</div> </div> <div> <div>218</div> <div>- 200</div> <div>(8 x 25)</div> </div> <div> <div>187</div> <div>- 175</div> <div>(7 x 25)</div> </div> <div> <div>122</div> <div>- 100</div> <div>(4 x 25)</div> </div> <div> <div>Remainder --></div> <div>22</div> </div> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 25 into 27 (= 1) Multiply 1 times 25 (= 25) Subtract 25 from 27 (= 2) Bring down the 1</p> <p>Divide 25 into 21 (= 0) Multiply 0 times 25 (= 0) Subtract 0 from 21 (= 21) Bring down the 8</p> <p>Divide 25 into 218 (= 8) Multiply 8 times 25 (= 200) Subtract 200 from 218 (= 18) Bring down the 7</p> <p>Divide 25 into 187 (= 7) Multiply 7 times 25 (= 175) Subtract 175 from 187 (= 12) Bring down the 2</p> <p>Divide 25 into 122 (= 4) Multiply 4 times 25 (= 100) Subtract 100 from 122 (= 22) Done. No more numbers to bring down.</p>
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