

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>402 717044</div>	(2) <div>662 847441</div>	(3) <div>693 646673</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><div>1783 R278</div><div>402 $\overline{) 717044}$</div><div><div><div><div>- 402</div><div>(1 x 402)</div></div><div><div><div>3150</div><div>- 2814</div><div>(7 x 402)</div></div><div><div><div>3364</div><div>- 3216</div><div>(8 x 402)</div></div><div><div><div>1484</div><div>- 1206</div><div>(3 x 402)</div></div></div><div>Remainder --> 278</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 402 into 717 (= 1)</div><div>Multiply 1 times 402 (= 402)</div><div>Subtract 402 from 717 (= 315)</div><div>Bring down the 0</div><div>Divide 402 into 3150 (= 7)</div><div>Multiply 7 times 402 (= 2814)</div><div>Subtract 2814 from 3150 (= 336)</div><div>Bring down the 4</div><div>Divide 402 into 3364 (= 8)</div><div>Multiply 8 times 402 (= 3216)</div><div>Subtract 3216 from 3364 (= 148)</div><div>Bring down the 4</div><div>Divide 402 into 1484 (= 3)</div><div>Multiply 3 times 402 (= 1206)</div><div>Subtract 1206 from 1484 (= 278)</div><div>Done. No more numbers to bring down.</div></div></div></div></div></div></div>	<div><div>(2)</div><div><div><div>1280 R81</div><div>662 $\overline{) 847441}$</div><div><div><div>- 662</div><div>(1 x 662)</div></div><div><div><div>1854</div><div>- 1324</div><div>(2 x 662)</div></div><div><div><div>5304</div><div>- 5296</div><div>(8 x 662)</div></div><div><div><div>81</div><div>- 0</div><div>(0 x 662)</div></div></div><div>Remainder --> 81</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 662 into 847 (= 1)</div><div>Multiply 1 times 662 (= 662)</div><div>Subtract 662 from 847 (= 185)</div><div>Bring down the 4</div><div>Divide 662 into 1854 (= 2)</div><div>Multiply 2 times 662 (= 1324)</div><div>Subtract 1324 from 1854 (= 530)</div><div>Bring down the 4</div><div>Divide 662 into 5304 (= 8)</div><div>Multiply 8 times 662 (= 5296)</div><div>Subtract 5296 from 5304 (= 8)</div><div>Bring down the 1</div><div>Divide 662 into 81 (= 0)</div><div>Multiply 0 times 662 (= 0)</div><div>Subtract 0 from 81 (= 81)</div><div>Done. No more numbers to bring down.</div></div></div></div></div></div>	<div><div>(3)</div><div><div><div>933 R104</div><div>693 $\overline{) 646673}$</div><div><div><div>- 6237</div><div>(9 x 693)</div></div><div><div><div>2297</div><div>- 2079</div><div>(3 x 693)</div></div><div><div><div>2183</div><div>- 2079</div><div>(3 x 693)</div></div></div><div>Remainder --> 104</div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div><div>Divide 693 into 6466 (= 9)</div><div>Multiply 9 times 693 (= 6237)</div><div>Subtract 6237 from 6466 (= 229)</div><div>Bring down the 7</div><div>Divide 693 into 2297 (= 3)</div><div>Multiply 3 times 693 (= 2079)</div><div>Subtract 2079 from 2297 (= 218)</div><div>Bring down the 3</div><div>Divide 693 into 2183 (= 3)</div><div>Multiply 3 times 693 (= 2079)</div><div>Subtract 2079 from 2183 (= 104)</div><div>Done. No more numbers to bring down.</div></div></div></div></div>
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