

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

<div>(1)</div> <div>7 $\overline{)7462}$</div>	<div>(2)</div> <div>4 $\overline{)8897}$</div>	<div>(3)</div> <div>5 $\overline{)1513}$</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)<div><div>1066 R0</div><div>7<div>7462</div><div>- 7<div>(1 x 7)</div></div><div>04<div>(0 x 7)</div></div><div>- 0<div>(0 x 7)</div></div><div>46<div>(6 x 7)</div></div><div>- 42<div>(6 x 7)</div></div><div>42<div>(6 x 7)</div></div><div>- 42<div>(6 x 7)</div></div><div>0</div></div><div>Remainder --></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 7 into 7 (= 1) Multiply 1 times 7 (= 7) Subtract 7 from 7 (= 0) Bring down the 4 Divide 7 into 04 (= 0) Multiply 0 times 7 (= 0) Subtract 0 from 04 (= 4) Bring down the 6 Divide 7 into 46 (= 6) Multiply 6 times 7 (= 42) Subtract 42 from 46 (= 4) Bring down the 2 Divide 7 into 42 (= 6) Multiply 6 times 7 (= 42) Subtract 42 from 42 (= 0) Done. No more numbers to bring down.</div></div>	<div>(2)<div><div>2224 R1</div><div>4<div>8897</div><div>- 8<div>(2 x 4)</div></div><div>08<div>(2 x 4)</div></div><div>- 8<div>(2 x 4)</div></div><div>09<div>(2 x 4)</div></div><div>- 8<div>(2 x 4)</div></div><div>17<div>(4 x 4)</div></div><div>- 16<div>(4 x 4)</div></div><div>1</div></div><div>Remainder --></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 4 into 8 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 8 (= 0) Bring down the 8 Divide 4 into 08 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 08 (= 0) Bring down the 9 Divide 4 into 09 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 09 (= 1) Bring down the 7 Divide 4 into 17 (= 4) Multiply 4 times 4 (= 16) Subtract 16 from 17 (= 1) Done. No more numbers to bring down.</div></div>	<div>(3)<div><div>302 R3</div><div>5<div>1513</div><div>- 15<div>(3 x 5)</div></div><div>01<div>(0 x 5)</div></div><div>- 0<div>(0 x 5)</div></div><div>13<div>(2 x 5)</div></div><div>- 10<div>(2 x 5)</div></div><div>3</div></div><div>Remainder --></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 5 into 15 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 15 (= 0) Bring down the 1 Divide 5 into 01 (= 0) Multiply 0 times 5 (= 0) Subtract 0 from 01 (= 1) Bring down the 3 Divide 5 into 13 (= 2) Multiply 2 times 5 (= 10) Subtract 10 from 13 (= 3) Done. No more numbers to bring down.</div></div>
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