

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>6 5673</div>	(2) <div>3 1518</div>	(3) <div>3 9024</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)</div> <div><div><div>945 R3</div><div>6 5673</div><div><div>- 54</div><div>27</div><div>- 24</div><div>33</div><div>- 30</div></div></div><div><div>(9 x 6)</div><div>(4 x 6)</div><div>(5 x 6)</div></div></div> <div>Remainder --> 3</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 6 into 56 (= 9) Multiply 9 times 6 (= 54) Subtract 54 from 56 (= 2) Bring down the 7</div> <div>Divide 6 into 27 (= 4) Multiply 4 times 6 (= 24) Subtract 24 from 27 (= 3) Bring down the 3</div> <div>Divide 6 into 33 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 33 (= 3) Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>506 R0</div><div>3 1518</div><div><div>- 15</div><div>01</div><div>- 0</div><div>18</div><div>- 18</div></div></div><div><div>(5 x 3)</div><div>(0 x 3)</div><div>(6 x 3)</div></div></div> <div>Remainder --> 0</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 3 into 15 (= 5) Multiply 5 times 3 (= 15) Subtract 15 from 15 (= 0) Bring down the 1</div> <div>Divide 3 into 01 (= 0) Multiply 0 times 3 (= 0) Subtract 0 from 01 (= 1) Bring down the 8</div> <div>Divide 3 into 18 (= 6) Multiply 6 times 3 (= 18) Subtract 18 from 18 (= 0) Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>3008 R0</div><div>3 9024</div><div><div>- 9</div><div>00</div><div>- 0</div><div>02</div><div>- 0</div><div>24</div><div>- 24</div></div></div><div><div>(3 x 3)</div><div>(0 x 3)</div><div>(0 x 3)</div><div>(8 x 3)</div></div></div> <div>Remainder --> 0</div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 3 into 9 (= 3) Multiply 3 times 3 (= 9) Subtract 9 from 9 (= 0) Bring down the 0</div> <div>Divide 3 into 00 (= 0) Multiply 0 times 3 (= 0) Subtract 0 from 00 (= 0) Bring down the 2</div> <div>Divide 3 into 02 (= 0) Multiply 0 times 3 (= 0) Subtract 0 from 02 (= 2) Bring down the 4</div> <div>Divide 3 into 24 (= 8) Multiply 8 times 3 (= 24) Subtract 24 from 24 (= 0) Done. No more numbers to bring down.</div>
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