

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>5 66674</div>	(2) <div>3 48541</div>	(3) <div>6 93136</div>
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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<div>(1)<div><div>13334 R4</div><div>5<div>66674</div></div><div><div><div>- 5</div><div>(1 x 5)</div></div><div><div>16</div><div>- 15</div><div>(3 x 5)</div></div><div><div>16</div><div>- 15</div><div>(3 x 5)</div></div><div><div>17</div><div>- 15</div><div>(3 x 5)</div></div><div><div>24</div><div>- 20</div><div>(4 x 5)</div></div></div><div>Remainder --> 4</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 5 into 6 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 6 (= 1) Bring down the 6</div><div>Divide 5 into 16 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 16 (= 1) Bring down the 6</div><div>Divide 5 into 16 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 16 (= 1) Bring down the 7</div><div>Divide 5 into 17 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 17 (= 2) Bring down the 4</div><div>Divide 5 into 24 (= 4) Multiply 4 times 5 (= 20) Subtract 20 from 24 (= 4) Done. No more numbers to bring down.</div></div>	<div>(2)<div><div>16180 R1</div><div>3<div>48541</div></div><div><div><div>- 3</div><div>(1 x 3)</div></div><div><div>18</div><div>- 18</div><div>(6 x 3)</div></div><div><div>05</div><div>- 3</div><div>(1 x 3)</div></div><div><div>24</div><div>- 24</div><div>(8 x 3)</div></div><div><div>01</div><div>- 0</div><div>(0 x 3)</div></div></div><div>Remainder --> 1</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 3 into 4 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 4 (= 1) Bring down the 8</div><div>Divide 3 into 18 (= 6) Multiply 6 times 3 (= 18) Subtract 18 from 18 (= 0) Bring down the 5</div><div>Divide 3 into 05 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 05 (= 2) Bring down the 4</div><div>Divide 3 into 24 (= 8) Multiply 8 times 3 (= 24) Subtract 24 from 24 (= 0) Bring down the 1</div><div>Divide 3 into 01 (= 0) Multiply 0 times 3 (= 0) Subtract 0 from 01 (= 1) Done. No more numbers to bring down.</div></div>	<div>(3)<div><div>15522 R4</div><div>6<div>93136</div></div><div><div><div>- 6</div><div>(1 x 6)</div></div><div><div>33</div><div>- 30</div><div>(5 x 6)</div></div><div><div>31</div><div>- 30</div><div>(5 x 6)</div></div><div><div>13</div><div>- 12</div><div>(2 x 6)</div></div><div><div>16</div><div>- 12</div><div>(2 x 6)</div></div></div><div>Remainder --> 4</div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 6 into 9 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 9 (= 3) Bring down the 3</div><div>Divide 6 into 33 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 33 (= 3) Bring down the 1</div><div>Divide 6 into 31 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 31 (= 1) Bring down the 3</div><div>Divide 6 into 13 (= 2) Multiply 2 times 6 (= 12) Subtract 12 from 13 (= 1) Bring down the 6</div><div>Divide 6 into 16 (= 2) Multiply 2 times 6 (= 12) Subtract 12 from 16 (= 4) Done. No more numbers to bring down.</div></div>
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