

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>30 $\overline{)3507}$</div>	<div>(2)</div> <div>19 $\overline{)6832}$</div>	<div>(3)</div> <div>33 $\overline{)4806}$</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>116 R27</div><div>30 3507</div><div><div><div>- 30</div><div>50</div><div>- 30</div><div>207</div><div>- 180</div></div><div>27</div></div><div><div>(1 x 30)</div><div>(1 x 30)</div><div>(6 x 30)</div></div></div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 30 into 35 (= 1) Multiply 1 times 30 (= 30) Subtract 30 from 35 (= 5) Bring down the 0 Divide 30 into 50 (= 1) Multiply 1 times 30 (= 30) Subtract 30 from 50 (= 20) Bring down the 7 Divide 30 into 207 (= 6) Multiply 6 times 30 (= 180) Subtract 180 from 207 (= 27) Done. No more numbers to bring down.</div>	<div><div>(2)</div><div><div><div>359 R11</div><div>19 6832</div><div><div><div>- 57</div><div>113</div><div>- 95</div><div>182</div><div>- 171</div></div><div>11</div></div><div><div>(3 x 19)</div><div>(5 x 19)</div><div>(9 x 19)</div></div></div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 19 into 68 (= 3) Multiply 3 times 19 (= 57) Subtract 57 from 68 (= 11) Bring down the 3 Divide 19 into 113 (= 5) Multiply 5 times 19 (= 95) Subtract 95 from 113 (= 18) Bring down the 2 Divide 19 into 182 (= 9) Multiply 9 times 19 (= 171) Subtract 171 from 182 (= 11) Done. No more numbers to bring down.</div>	<div><div>(3)</div><div><div><div>145 R21</div><div>33 4806</div><div><div><div>- 33</div><div>150</div><div>- 132</div><div>186</div><div>- 165</div></div><div>21</div></div><div><div>(1 x 33)</div><div>(4 x 33)</div><div>(5 x 33)</div></div></div></div><div>Remainder --></div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 33 into 48 (= 1) Multiply 1 times 33 (= 33) Subtract 33 from 48 (= 15) Bring down the 0 Divide 33 into 150 (= 4) Multiply 4 times 33 (= 132) Subtract 132 from 150 (= 18) Bring down the 6 Divide 33 into 186 (= 5) Multiply 5 times 33 (= 165) Subtract 165 from 186 (= 21) Done. No more numbers to bring down.</div>
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