

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>464 10703</div>	(2) <div>629 28852</div>	(3) <div>412 84805</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>23 R31</div><div>464 10703</div><div><div>- 928</div><div>(2 x 464)</div></div><div><div>1423</div><div>- 1392</div><div>(3 x 464)</div></div></div><div>Remainder --> 31</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 464 into 1070 (= 2) Multiply 2 times 464 (= 928) Subtract 928 from 1070 (= 142) Bring down the 3</div> <div>Divide 464 into 1423 (= 3) Multiply 3 times 464 (= 1392) Subtract 1392 from 1423 (= 31) Done. No more numbers to bring down.</div>	<div>(2)</div> <div><div><div>45 R547</div><div>629 28852</div><div><div>- 2516</div><div>(4 x 629)</div></div><div><div>3692</div><div>- 3145</div><div>(5 x 629)</div></div></div><div>Remainder --> 547</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 629 into 2885 (= 4) Multiply 4 times 629 (= 2516) Subtract 2516 from 2885 (= 369) Bring down the 2</div> <div>Divide 629 into 3692 (= 5) Multiply 5 times 629 (= 3145) Subtract 3145 from 3692 (= 547) Done. No more numbers to bring down.</div>	<div>(3)</div> <div><div><div>205 R345</div><div>412 84805</div><div><div>- 824</div><div>(2 x 412)</div></div><div><div>240</div><div>- 0</div><div>(0 x 412)</div></div><div><div>2405</div><div>- 2060</div><div>(5 x 412)</div></div></div><div>Remainder --> 345</div></div> <div>Divide, Multiply, Subtract, Bring down, Repeat</div> <div>Divide 412 into 848 (= 2) Multiply 2 times 412 (= 824) Subtract 824 from 848 (= 24) Bring down the 0</div> <div>Divide 412 into 240 (= 0) Multiply 0 times 412 (= 0) Subtract 0 from 240 (= 240) Bring down the 5</div> <div>Divide 412 into 2405 (= 5) Multiply 5 times 412 (= 2060) Subtract 2060 from 2405 (= 345) Done. No more numbers to bring down.</div>
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