

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>85 940603</div>	(2) <div>96 733274</div>	(3) <div>12 186187</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>11065 R78</div><div>85<div>940603</div></div><div><div><div>- 85</div><div>(1 x 85)</div></div><div>90</div><div><div><div>- 85</div><div>(1 x 85)</div></div><div>56</div><div><div><div>- 0</div><div>(0 x 85)</div></div><div>560</div><div><div><div>- 510</div><div>(6 x 85)</div></div><div>503</div><div><div><div>- 425</div><div>(5 x 85)</div></div><div>78</div></div></div></div><div>Remainder --></div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 85 into 94 (= 1) Multiply 1 times 85 (= 85) Subtract 85 from 94 (= 9) Bring down the 0</div><div>Divide 85 into 90 (= 1) Multiply 1 times 85 (= 85) Subtract 85 from 90 (= 5) Bring down the 6</div><div>Divide 85 into 56 (= 0) Multiply 0 times 85 (= 0) Subtract 0 from 56 (= 56) Bring down the 0</div><div>Divide 85 into 560 (= 6) Multiply 6 times 85 (= 510) Subtract 510 from 560 (= 50) Bring down the 3</div><div>Divide 85 into 503 (= 5) Multiply 5 times 85 (= 425) Subtract 425 from 503 (= 78) Done. No more numbers to bring down.</div></div></div></div>	<div>(2)<div><div><div>7638 R26</div><div>96<div>733274</div></div><div><div><div>- 672</div><div>(7 x 96)</div></div><div>612</div><div><div><div>- 576</div><div>(6 x 96)</div></div><div>367</div><div><div><div>- 288</div><div>(3 x 96)</div></div><div>794</div><div><div><div>- 768</div><div>(8 x 96)</div></div><div>26</div></div></div></div><div>Remainder --></div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 96 into 733 (= 7) Multiply 7 times 96 (= 672) Subtract 672 from 733 (= 61) Bring down the 2</div><div>Divide 96 into 612 (= 6) Multiply 6 times 96 (= 576) Subtract 576 from 612 (= 36) Bring down the 7</div><div>Divide 96 into 367 (= 3) Multiply 3 times 96 (= 288) Subtract 288 from 367 (= 79) Bring down the 4</div><div>Divide 96 into 794 (= 8) Multiply 8 times 96 (= 768) Subtract 768 from 794 (= 26) Done. No more numbers to bring down.</div></div></div>	<div>(3)<div><div><div>15515 R7</div><div>12<div>186187</div></div><div><div><div>- 12</div><div>(1 x 12)</div></div><div>66</div><div><div><div>- 60</div><div>(5 x 12)</div></div><div>61</div><div><div><div>- 60</div><div>(5 x 12)</div></div><div>18</div><div><div><div>- 12</div><div>(1 x 12)</div></div><div>67</div><div><div><div>- 60</div><div>(5 x 12)</div></div><div>7</div></div></div></div><div>Remainder --></div></div></div><div>Divide, Multiply, Subtract, Bring down, Repeat</div><div>Divide 12 into 18 (= 1) Multiply 1 times 12 (= 12) Subtract 12 from 18 (= 6) Bring down the 6</div><div>Divide 12 into 66 (= 5) Multiply 5 times 12 (= 60) Subtract 60 from 66 (= 6) Bring down the 1</div><div>Divide 12 into 61 (= 5) Multiply 5 times 12 (= 60) Subtract 60 from 61 (= 1) Bring down the 8</div><div>Divide 12 into 18 (= 1) Multiply 1 times 12 (= 12) Subtract 12 from 18 (= 6) Bring down the 7</div><div>Divide 12 into 67 (= 5) Multiply 5 times 12 (= 60) Subtract 60 from 67 (= 7) Done. No more numbers to bring down.</div></div></div></div>
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