

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)

$$68 \overline{) 53624}$$

(2)

$$76 \overline{) 19319}$$

(3)

$$17 \overline{) 91146}$$

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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 788 \text{ R}40 \\ 68 \overline{) 53624} \\ \underline{- 476} \quad (7 \times 68) \\ 602 \\ \underline{- 544} \quad (8 \times 68) \\ 584 \\ \underline{- 544} \quad (8 \times 68) \\ \text{Remainder --> } 40 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 68 into 536 (= 7) Multiply 7 times 68 (= 476) Subtract 476 from 536 (= 60) Bring down the 2</p> <p>Divide 68 into 602 (= 8) Multiply 8 times 68 (= 544) Subtract 544 from 602 (= 58) Bring down the 4</p> <p>Divide 68 into 584 (= 8) Multiply 8 times 68 (= 544) Subtract 544 from 584 (= 40) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 254 \text{ R}15 \\ 76 \overline{) 19319} \\ \underline{- 152} \quad (2 \times 76) \\ 411 \\ \underline{- 380} \quad (5 \times 76) \\ 319 \\ \underline{- 304} \quad (4 \times 76) \\ \text{Remainder --> } 15 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 76 into 193 (= 2) Multiply 2 times 76 (= 152) Subtract 152 from 193 (= 41) Bring down the 1</p> <p>Divide 76 into 411 (= 5) Multiply 5 times 76 (= 380) Subtract 380 from 411 (= 31) Bring down the 9</p> <p>Divide 76 into 319 (= 4) Multiply 4 times 76 (= 304) Subtract 304 from 319 (= 15) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 5361 \text{ R}9 \\ 17 \overline{) 91146} \\ \underline{- 85} \quad (5 \times 17) \\ 61 \\ \underline{- 51} \quad (3 \times 17) \\ 104 \\ \underline{- 102} \quad (6 \times 17) \\ 26 \\ \underline{- 17} \quad (1 \times 17) \\ \text{Remainder --> } 9 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 17 into 91 (= 5) Multiply 5 times 17 (= 85) Subtract 85 from 91 (= 6) Bring down the 1</p> <p>Divide 17 into 61 (= 3) Multiply 3 times 17 (= 51) Subtract 51 from 61 (= 10) Bring down the 4</p> <p>Divide 17 into 104 (= 6) Multiply 6 times 17 (= 102) Subtract 102 from 104 (= 2) Bring down the 6</p> <p>Divide 17 into 26 (= 1) Multiply 1 times 17 (= 17) Subtract 17 from 26 (= 9) Done. No more numbers to bring down.</p>
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