

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)

$$61 \overline{) 5909}$$

(2)

$$11 \overline{) 4154}$$

(3)

$$22 \overline{) 6656}$$

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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} 96 \text{ R}53 \\ 61 \overline{) 5909} \\ \underline{- 549} \quad (9 \times 61) \\ 419 \\ \underline{- 366} \quad (6 \times 61) \\ \text{Remainder --> } 53 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 61 into 590 (= 9) Multiply 9 times 61 (= 549) Subtract 549 from 590 (= 41) Bring down the 9</p> <p>Divide 61 into 419 (= 6) Multiply 6 times 61 (= 366) Subtract 366 from 419 (= 53) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 377 \text{ R}7 \\ 11 \overline{) 4154} \\ \underline{- 33} \quad (3 \times 11) \\ 85 \\ \underline{- 77} \quad (7 \times 11) \\ 84 \\ \underline{- 77} \quad (7 \times 11) \\ \text{Remainder --> } 7 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 11 into 41 (= 3) Multiply 3 times 11 (= 33) Subtract 33 from 41 (= 8) Bring down the 5</p> <p>Divide 11 into 85 (= 7) Multiply 7 times 11 (= 77) Subtract 77 from 85 (= 8) Bring down the 4</p> <p>Divide 11 into 84 (= 7) Multiply 7 times 11 (= 77) Subtract 77 from 84 (= 7) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 302 \text{ R}12 \\ 22 \overline{) 6656} \\ \underline{- 66} \quad (3 \times 22) \\ 05 \\ \underline{- 0} \quad (0 \times 22) \\ 56 \\ \underline{- 44} \quad (2 \times 22) \\ \text{Remainder --> } 12 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 22 into 66 (= 3) Multiply 3 times 22 (= 66) Subtract 66 from 66 (= 0) Bring down the 5</p> <p>Divide 22 into 05 (= 0) Multiply 0 times 22 (= 0) Subtract 0 from 05 (= 5) Bring down the 6</p> <p>Divide 22 into 56 (= 2) Multiply 2 times 22 (= 44) Subtract 44 from 56 (= 12) Done. No more numbers to bring down.</p>
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