

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)

$$51 \overline{) 5161}$$

(2)

$$66 \overline{) 1912}$$

(3)

$$70 \overline{) 7357}$$

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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} 101 \text{ R}10 \\ 51 \overline{) 5161} \\ \underline{- 51} \qquad (1 \times 51) \\ 06 \\ \underline{- 0} \qquad (0 \times 51) \\ 61 \\ \underline{- 51} \qquad (1 \times 51) \\ \text{Remainder --> } 10 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 51 into 51 (= 1) Multiply 1 times 51 (= 51) Subtract 51 from 51 (= 0) Bring down the 6</p> <p>Divide 51 into 06 (= 0) Multiply 0 times 51 (= 0) Subtract 0 from 06 (= 6) Bring down the 1</p> <p>Divide 51 into 61 (= 1) Multiply 1 times 51 (= 51) Subtract 51 from 61 (= 10) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 28 \text{ R}64 \\ 66 \overline{) 1912} \\ \underline{- 132} \qquad (2 \times 66) \\ 592 \\ \underline{- 528} \qquad (8 \times 66) \\ \text{Remainder --> } 64 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 66 into 191 (= 2) Multiply 2 times 66 (= 132) Subtract 132 from 191 (= 59) Bring down the 2</p> <p>Divide 66 into 592 (= 8) Multiply 8 times 66 (= 528) Subtract 528 from 592 (= 64) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 105 \text{ R}7 \\ 70 \overline{) 7357} \\ \underline{- 70} \qquad (1 \times 70) \\ 35 \\ \underline{- 0} \qquad (0 \times 70) \\ 357 \\ \underline{- 350} \qquad (5 \times 70) \\ \text{Remainder --> } 7 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 70 into 73 (= 1) Multiply 1 times 70 (= 70) Subtract 70 from 73 (= 3) Bring down the 5</p> <p>Divide 70 into 35 (= 0) Multiply 0 times 70 (= 0) Subtract 0 from 35 (= 35) Bring down the 7</p> <p>Divide 70 into 357 (= 5) Multiply 5 times 70 (= 350) Subtract 350 from 357 (= 7) Done. No more numbers to bring down.</p>
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