

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)

$$57 \overline{)7048}$$

(2)

$$49 \overline{)4609}$$

(3)

$$26 \overline{)3744}$$

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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} 123 \text{ R}37 \\ 57 \overline{) 7048} \\ \underline{- 57} \qquad (1 \times 57) \\ 134 \\ \underline{- 114} \qquad (2 \times 57) \\ 208 \\ \underline{- 171} \qquad (3 \times 57) \\ \text{Remainder --> } 37 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 57 into 70 (= 1) Multiply 1 times 57 (= 57) Subtract 57 from 70 (= 13) Bring down the 4</p> <p>Divide 57 into 134 (= 2) Multiply 2 times 57 (= 114) Subtract 114 from 134 (= 20) Bring down the 8</p> <p>Divide 57 into 208 (= 3) Multiply 3 times 57 (= 171) Subtract 171 from 208 (= 37) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 94 \text{ R}3 \\ 49 \overline{) 4609} \\ \underline{- 441} \qquad (9 \times 49) \\ 199 \\ \underline{- 196} \qquad (4 \times 49) \\ \text{Remainder --> } 3 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 49 into 460 (= 9) Multiply 9 times 49 (= 441) Subtract 441 from 460 (= 19) Bring down the 9</p> <p>Divide 49 into 199 (= 4) Multiply 4 times 49 (= 196) Subtract 196 from 199 (= 3) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 144 \text{ R}0 \\ 26 \overline{) 3744} \\ \underline{- 26} \qquad (1 \times 26) \\ 114 \\ \underline{- 104} \qquad (4 \times 26) \\ 104 \\ \underline{- 104} \qquad (4 \times 26) \\ \text{Remainder --> } 0 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 26 into 37 (= 1) Multiply 1 times 26 (= 26) Subtract 26 from 37 (= 11) Bring down the 4</p> <p>Divide 26 into 114 (= 4) Multiply 4 times 26 (= 104) Subtract 104 from 114 (= 10) Bring down the 4</p> <p>Divide 26 into 104 (= 4) Multiply 4 times 26 (= 104) Subtract 104 from 104 (= 0) Done. No more numbers to bring down.</p>
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