

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)

$$5 \overline{)7097}$$

(2)

$$3 \overline{)5803}$$

(3)

$$5 \overline{)4025}$$

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Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

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

<p>(1)</p> $ \begin{array}{r} 1419 \text{ R}2 \\ 5 \overline{) 7097} \\ \underline{- 5} \qquad (1 \times 5) \\ 20 \\ \underline{- 20} \qquad (4 \times 5) \\ 09 \\ \underline{- 5} \qquad (1 \times 5) \\ 47 \\ \underline{- 45} \qquad (9 \times 5) \\ \text{Remainder --> } 2 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 7 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 7 (= 2) Bring down the 0</p> <p>Divide 5 into 20 (= 4) Multiply 4 times 5 (= 20) Subtract 20 from 20 (= 0) Bring down the 9</p> <p>Divide 5 into 09 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 09 (= 4) Bring down the 7</p> <p>Divide 5 into 47 (= 9) Multiply 9 times 5 (= 45) Subtract 45 from 47 (= 2) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 1934 \text{ R}1 \\ 3 \overline{) 5803} \\ \underline{- 3} \qquad (1 \times 3) \\ 28 \\ \underline{- 27} \qquad (9 \times 3) \\ 10 \\ \underline{- 9} \qquad (3 \times 3) \\ 13 \\ \underline{- 12} \qquad (4 \times 3) \\ \text{Remainder --> } 1 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 3 into 5 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 5 (= 2) Bring down the 8</p> <p>Divide 3 into 28 (= 9) Multiply 9 times 3 (= 27) Subtract 27 from 28 (= 1) Bring down the 0</p> <p>Divide 3 into 10 (= 3) Multiply 3 times 3 (= 9) Subtract 9 from 10 (= 1) Bring down the 3</p> <p>Divide 3 into 13 (= 4) Multiply 4 times 3 (= 12) Subtract 12 from 13 (= 1) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 805 \text{ R}0 \\ 5 \overline{) 4025} \\ \underline{- 40} \qquad (8 \times 5) \\ 02 \\ \underline{- 0} \qquad (0 \times 5) \\ 25 \\ \underline{- 25} \qquad (5 \times 5) \\ \text{Remainder --> } 0 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 40 (= 8) Multiply 8 times 5 (= 40) Subtract 40 from 40 (= 0) Bring down the 2</p> <p>Divide 5 into 02 (= 0) Multiply 0 times 5 (= 0) Subtract 0 from 02 (= 2) Bring down the 5</p> <p>Divide 5 into 25 (= 5) Multiply 5 times 5 (= 25) Subtract 25 from 25 (= 0) Done. No more numbers to bring down.</p>
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