

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)

$$17 \overline{) 50871}$$

(2)

$$11 \overline{) 17485}$$

(3)

$$84 \overline{) 84103}$$

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

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

<p>(1)</p> $ \begin{array}{r} 2992 \text{ R}7 \\ 17 \overline{) 50871} \\ \underline{- 34} \qquad (2 \times 17) \\ 168 \\ \underline{- 153} \qquad (9 \times 17) \\ 157 \\ \underline{- 153} \qquad (9 \times 17) \\ 41 \\ \underline{- 34} \qquad (2 \times 17) \\ 7 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 17 into 50 (= 2) Multiply 2 times 17 (= 34) Subtract 34 from 50 (= 16) Bring down the 8</p> <p>Divide 17 into 168 (= 9) Multiply 9 times 17 (= 153) Subtract 153 from 168 (= 15) Bring down the 7</p> <p>Divide 17 into 157 (= 9) Multiply 9 times 17 (= 153) Subtract 153 from 157 (= 4) Bring down the 1</p> <p>Divide 17 into 41 (= 2) Multiply 2 times 17 (= 34) Subtract 34 from 41 (= 7) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 1589 \text{ R}6 \\ 11 \overline{) 17485} \\ \underline{- 11} \qquad (1 \times 11) \\ 64 \\ \underline{- 55} \qquad (5 \times 11) \\ 98 \\ \underline{- 88} \qquad (8 \times 11) \\ 105 \\ \underline{- 99} \qquad (9 \times 11) \\ 6 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 11 into 17 (= 1) Multiply 1 times 11 (= 11) Subtract 11 from 17 (= 6) Bring down the 4</p> <p>Divide 11 into 64 (= 5) Multiply 5 times 11 (= 55) Subtract 55 from 64 (= 9) Bring down the 8</p> <p>Divide 11 into 98 (= 8) Multiply 8 times 11 (= 88) Subtract 88 from 98 (= 10) Bring down the 5</p> <p>Divide 11 into 105 (= 9) Multiply 9 times 11 (= 99) Subtract 99 from 105 (= 6) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 1001 \text{ R}19 \\ 84 \overline{) 84103} \\ \underline{- 84} \qquad (1 \times 84) \\ 01 \\ \underline{- 0} \qquad (0 \times 84) \\ 10 \\ \underline{- 0} \qquad (0 \times 84) \\ 103 \\ \underline{- 84} \qquad (1 \times 84) \\ 19 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 84 into 84 (= 1) Multiply 1 times 84 (= 84) Subtract 84 from 84 (= 0) Bring down the 1</p> <p>Divide 84 into 01 (= 0) Multiply 0 times 84 (= 0) Subtract 0 from 01 (= 1) Bring down the 0</p> <p>Divide 84 into 10 (= 0) Multiply 0 times 84 (= 0) Subtract 0 from 10 (= 10) Bring down the 3</p> <p>Divide 84 into 103 (= 1) Multiply 1 times 84 (= 84) Subtract 84 from 103 (= 19) Done. No more numbers to bring down.</p>
---	---	--