

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)

$$48 \overline{) 434723}$$

(2)

$$10 \overline{) 946376}$$

(3)

$$33 \overline{) 855672}$$

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} 9056 \text{ R}35 \\ 48 \overline{) 434723} \\ \underline{- 432} \quad (9 \times 48) \\ 27 \\ \underline{- 0} \quad (0 \times 48) \\ 272 \\ \underline{- 240} \quad (5 \times 48) \\ 323 \\ \underline{- 288} \quad (6 \times 48) \\ \text{Remainder -->} \quad 35 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 48 into 434 (= 9) Multiply 9 times 48 (= 432) Subtract 432 from 434 (= 2) Bring down the 7</p> <p>Divide 48 into 27 (= 0) Multiply 0 times 48 (= 0) Subtract 0 from 27 (= 27) Bring down the 2</p> <p>Divide 48 into 272 (= 5) Multiply 5 times 48 (= 240) Subtract 240 from 272 (= 32) Bring down the 3</p> <p>Divide 48 into 323 (= 6) Multiply 6 times 48 (= 288) Subtract 288 from 323 (= 35) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 94637 \text{ R}6 \\ 10 \overline{) 946376} \\ \underline{- 90} \quad (9 \times 10) \\ 46 \\ \underline{- 40} \quad (4 \times 10) \\ 63 \\ \underline{- 60} \quad (6 \times 10) \\ 37 \\ \underline{- 30} \quad (3 \times 10) \\ 76 \\ \underline{- 70} \quad (7 \times 10) \\ \text{Remainder -->} \quad 6 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 10 into 94 (= 9) Multiply 9 times 10 (= 90) Subtract 90 from 94 (= 4) Bring down the 6</p> <p>Divide 10 into 46 (= 4) Multiply 4 times 10 (= 40) Subtract 40 from 46 (= 6) Bring down the 3</p> <p>Divide 10 into 63 (= 6) Multiply 6 times 10 (= 60) Subtract 60 from 63 (= 3) Bring down the 7</p> <p>Divide 10 into 37 (= 3) Multiply 3 times 10 (= 30) Subtract 30 from 37 (= 7) Bring down the 6</p> <p>Divide 10 into 76 (= 7) Multiply 7 times 10 (= 70) Subtract 70 from 76 (= 6) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 25929 \text{ R}15 \\ 33 \overline{) 855672} \\ \underline{- 66} \quad (2 \times 33) \\ 195 \\ \underline{- 165} \quad (5 \times 33) \\ 306 \\ \underline{- 297} \quad (9 \times 33) \\ 97 \\ \underline{- 66} \quad (2 \times 33) \\ 312 \\ \underline{- 297} \quad (9 \times 33) \\ \text{Remainder -->} \quad 15 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 33 into 85 (= 2) Multiply 2 times 33 (= 66) Subtract 66 from 85 (= 19) Bring down the 5</p> <p>Divide 33 into 195 (= 5) Multiply 5 times 33 (= 165) Subtract 165 from 195 (= 30) Bring down the 6</p> <p>Divide 33 into 306 (= 9) Multiply 9 times 33 (= 297) Subtract 297 from 306 (= 9) Bring down the 7</p> <p>Divide 33 into 97 (= 2) Multiply 2 times 33 (= 66) Subtract 66 from 97 (= 31) Bring down the 2</p> <p>Divide 33 into 312 (= 9) Multiply 9 times 33 (= 297) Subtract 297 from 312 (= 15) Done. No more numbers to bring down.</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------