

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)

$$8 \overline{) 1339834}$$

(2)

$$3 \overline{) 4666384}$$

(3)

$$9 \overline{) 1999215}$$

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} 167479 \text{ R}2 \\ 8 \overline{) 1339834} \\ \underline{- 8} \qquad (1 \times 8) \\ 53 \\ \underline{- 48} \qquad (6 \times 8) \\ 59 \\ \underline{- 56} \qquad (7 \times 8) \\ 38 \\ \underline{- 32} \qquad (4 \times 8) \\ 63 \\ \underline{- 56} \qquad (7 \times 8) \\ 74 \\ \underline{- 72} \qquad (9 \times 8) \\ \text{Remainder --> } 2 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 8 into 13 (= 1) Multiply 1 times 8 (= 8) Subtract 8 from 13 (= 5) Bring down the 3</p> <p>Divide 8 into 53 (= 6) Multiply 6 times 8 (= 48) Subtract 48 from 53 (= 5) Bring down the 9</p> <p>Divide 8 into 59 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 59 (= 3) Bring down the 8</p> <p>Divide 8 into 38 (= 4) Multiply 4 times 8 (= 32) Subtract 32 from 38 (= 6) Bring down the 3</p> <p>Divide 8 into 63 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 63 (= 7) Bring down the 4</p> <p>Divide 8 into 74 (= 9) Multiply 9 times 8 (= 72) Subtract 72 from 74 (= 2) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 1555461 \text{ R}1 \\ 3 \overline{) 4666384} \\ \underline{- 3} \qquad (1 \times 3) \\ 16 \\ \underline{- 15} \qquad (5 \times 3) \\ 16 \\ \underline{- 15} \qquad (5 \times 3) \\ 16 \\ \underline{- 15} \qquad (5 \times 3) \\ 13 \\ \underline{- 12} \qquad (4 \times 3) \\ 18 \\ \underline{- 18} \qquad (6 \times 3) \\ 04 \\ \underline{- 3} \qquad (1 \times 3) \\ \text{Remainder --> } 1 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 3 into 4 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 4 (= 1) Bring down the 6</p> <p>Divide 3 into 16 (= 5) Multiply 5 times 3 (= 15) Subtract 15 from 16 (= 1) Bring down the 6</p> <p>Divide 3 into 16 (= 5) Multiply 5 times 3 (= 15) Subtract 15 from 16 (= 1) Bring down the 6</p> <p>Divide 3 into 16 (= 5) Multiply 5 times 3 (= 15) Subtract 15 from 16 (= 1) Bring down the 3</p> <p>Divide 3 into 13 (= 4) Multiply 4 times 3 (= 12) Subtract 12 from 13 (= 1) Bring down the 8</p> <p>Divide 3 into 18 (= 6) Multiply 6 times 3 (= 18) Subtract 18 from 18 (= 0) Bring down the 4</p>	<p>(3)</p> $ \begin{array}{r} 222135 \text{ R}0 \\ 9 \overline{) 1999215} \\ \underline{- 18} \qquad (2 \times 9) \\ 19 \\ \underline{- 18} \qquad (2 \times 9) \\ 19 \\ \underline{- 18} \qquad (2 \times 9) \\ 12 \\ \underline{- 9} \qquad (1 \times 9) \\ 31 \\ \underline{- 27} \qquad (3 \times 9) \\ 45 \\ \underline{- 45} \qquad (5 \times 9) \\ \text{Remainder --> } 0 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 9 into 19 (= 2) Multiply 2 times 9 (= 18) Subtract 18 from 19 (= 1) Bring down the 9</p> <p>Divide 9 into 19 (= 2) Multiply 2 times 9 (= 18) Subtract 18 from 19 (= 1) Bring down the 9</p> <p>Divide 9 into 19 (= 2) Multiply 2 times 9 (= 18) Subtract 18 from 19 (= 1) Bring down the 2</p> <p>Divide 9 into 12 (= 1) Multiply 1 times 9 (= 9) Subtract 9 from 12 (= 3) Bring down the 1</p> <p>Divide 9 into 31 (= 3) Multiply 3 times 9 (= 27) Subtract 27 from 31 (= 4) Bring down the 5</p> <p>Divide 9 into 45 (= 5) Multiply 5 times 9 (= 45) Subtract 45 from 45 (= 0) Done. No more numbers to bring down.</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------