

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)

$$3 \overline{) 3641}$$

(2)

$$9 \overline{) 5848}$$

(3)

$$8 \overline{) 3363}$$

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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} 1213 \text{ R}2 \\ 3 \overline{) 3641} \\ \underline{- 3} \qquad (1 \times 3) \\ 06 \\ \underline{- 6} \qquad (2 \times 3) \\ 04 \\ \underline{- 3} \qquad (1 \times 3) \\ 11 \\ \underline{- 9} \qquad (3 \times 3) \\ \text{Remainder --> } 2 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 3 into 3 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 3 (= 0) Bring down the 6</p> <p>Divide 3 into 06 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 06 (= 0) Bring down the 4</p> <p>Divide 3 into 04 (= 1) Multiply 1 times 3 (= 3) Subtract 3 from 04 (= 1) Bring down the 1</p> <p>Divide 3 into 11 (= 3) Multiply 3 times 3 (= 9) Subtract 9 from 11 (= 2) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 649 \text{ R}7 \\ 9 \overline{) 5848} \\ \underline{- 54} \qquad (6 \times 9) \\ 44 \\ \underline{- 36} \qquad (4 \times 9) \\ 88 \\ \underline{- 81} \qquad (9 \times 9) \\ \text{Remainder --> } 7 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 9 into 58 (= 6) Multiply 6 times 9 (= 54) Subtract 54 from 58 (= 4) Bring down the 4</p> <p>Divide 9 into 44 (= 4) Multiply 4 times 9 (= 36) Subtract 36 from 44 (= 8) Bring down the 8</p> <p>Divide 9 into 88 (= 9) Multiply 9 times 9 (= 81) Subtract 81 from 88 (= 7) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 420 \text{ R}3 \\ 8 \overline{) 3363} \\ \underline{- 32} \qquad (4 \times 8) \\ 16 \\ \underline{- 16} \qquad (2 \times 8) \\ 03 \\ \underline{- 0} \qquad (0 \times 8) \\ \text{Remainder --> } 3 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 8 into 33 (= 4) Multiply 4 times 8 (= 32) Subtract 32 from 33 (= 1) Bring down the 6</p> <p>Divide 8 into 16 (= 2) Multiply 2 times 8 (= 16) Subtract 16 from 16 (= 0) Bring down the 3</p> <p>Divide 8 into 03 (= 0) Multiply 0 times 8 (= 0) Subtract 0 from 03 (= 3) Done. No more numbers to bring down.</p>
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