

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)

$$4 \overline{)49}$$

(2)

$$2 \overline{)34}$$

(3)

$$7 \overline{)77}$$

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

<p>(1)</p> $ \begin{array}{r} 12 \text{ R}1 \\ 4 \overline{) 49} \\ \underline{- 4} \qquad (1 \times 4) \\ 09 \\ \underline{- 8} \qquad (2 \times 4) \\ \text{Remainder --> } 1 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 4 into 4 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 4 (= 0) Bring down the 9</p> <p>Divide 4 into 09 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 09 (= 1) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 17 \text{ R}0 \\ 2 \overline{) 34} \\ \underline{- 2} \qquad (1 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ \text{Remainder --> } 0 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 2 into 3 (= 1) Multiply 1 times 2 (= 2) Subtract 2 from 3 (= 1) Bring down the 4</p> <p>Divide 2 into 14 (= 7) Multiply 7 times 2 (= 14) Subtract 14 from 14 (= 0) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 11 \text{ R}0 \\ 7 \overline{) 77} \\ \underline{- 7} \qquad (1 \times 7) \\ 07 \\ \underline{- 7} \qquad (1 \times 7) \\ \text{Remainder --> } 0 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 7 into 7 (= 1) Multiply 1 times 7 (= 7) Subtract 7 from 7 (= 0) Bring down the 7</p> <p>Divide 7 into 07 (= 1) Multiply 1 times 7 (= 7) Subtract 7 from 07 (= 0) Done. No more numbers to bring down.</p>
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