

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)

$$4 \overline{) 30}$$

(2)

$$8 \overline{) 71}$$

(3)

$$4 \overline{) 15}$$

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

<p>(1)</p> $\begin{array}{r} 7 \text{ R}2 \\ 4 \overline{) 30} \\ \underline{- 28} \\ 2 \end{array} \quad (7 \times 4)$ <p>Remainder --> 2</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 4 into 30 (= 7) Multiply 7 times 4 (= 28) Subtract 28 from 30 (= 2) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 8 \text{ R}7 \\ 8 \overline{) 71} \\ \underline{- 64} \\ 7 \end{array} \quad (8 \times 8)$ <p>Remainder --> 7</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 8 into 71 (= 8) Multiply 8 times 8 (= 64) Subtract 64 from 71 (= 7) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 3 \text{ R}3 \\ 4 \overline{) 15} \\ \underline{- 12} \\ 3 \end{array} \quad (3 \times 4)$ <p>Remainder --> 3</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 4 into 15 (= 3) Multiply 3 times 4 (= 12) Subtract 12 from 15 (= 3) Done. No more numbers to bring down.</p>
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