

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)

$$31 \overline{) 283}$$

(2)

$$40 \overline{) 475}$$

(3)

$$11 \overline{) 845}$$

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

<p>(1)</p> $\begin{array}{r} 9 \text{ R}4 \\ 31 \overline{) 283} \\ \underline{- 279} \\ \text{Remainder --> } 4 \end{array} \quad (9 \times 31)$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 31 into 283 (= 9) Multiply 9 times 31 (= 279) Subtract 279 from 283 (= 4) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 11 \text{ R}35 \\ 40 \overline{) 475} \\ \underline{- 40} \\ 75 \\ \underline{- 40} \\ \text{Remainder --> } 35 \end{array} \quad \begin{array}{l} (1 \times 40) \\ (1 \times 40) \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 40 into 47 (= 1) Multiply 1 times 40 (= 40) Subtract 40 from 47 (= 7) Bring down the 5</p> <p>Divide 40 into 75 (= 1) Multiply 1 times 40 (= 40) Subtract 40 from 75 (= 35) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 76 \text{ R}9 \\ 11 \overline{) 845} \\ \underline{- 77} \\ 75 \\ \underline{- 66} \\ \text{Remainder --> } 9 \end{array} \quad \begin{array}{l} (7 \times 11) \\ (6 \times 11) \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 11 into 84 (= 7) Multiply 7 times 11 (= 77) Subtract 77 from 84 (= 7) Bring down the 5</p> <p>Divide 11 into 75 (= 6) Multiply 6 times 11 (= 66) Subtract 66 from 75 (= 9) Done. No more numbers to bring down.</p>
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