

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)

$$440 \overline{) 2605}$$

(2)

$$997 \overline{) 4811}$$

(3)

$$411 \overline{) 7846}$$

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

<p>(1)</p> $\begin{array}{r} 5 \text{ R}405 \\ 440 \overline{) 2605} \\ \underline{- 2200} \\ 405 \end{array}$ <p style="text-align: right;"><i>(5 x 440)</i></p> <p>Remainder --> 405</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 440 into 2605 (= 5) Multiply 5 times 440 (= 2200) Subtract 2200 from 2605 (= 405) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 4 \text{ R}823 \\ 997 \overline{) 4811} \\ \underline{- 3988} \\ 823 \end{array}$ <p style="text-align: right;"><i>(4 x 997)</i></p> <p>Remainder --> 823</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 997 into 4811 (= 4) Multiply 4 times 997 (= 3988) Subtract 3988 from 4811 (= 823) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 19 \text{ R}37 \\ 411 \overline{) 7846} \\ \underline{- 411} \\ 3736 \\ \underline{- 3699} \\ 37 \end{array}$ <p style="text-align: right;"><i>(1 x 411)</i></p> <p style="text-align: right;"><i>(9 x 411)</i></p> <p>Remainder --> 37</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 411 into 784 (= 1) Multiply 1 times 411 (= 411) Subtract 411 from 784 (= 373) Bring down the 6</p> <p>Divide 411 into 3736 (= 9) Multiply 9 times 411 (= 3699) Subtract 3699 from 3736 (= 37) Done. No more numbers to bring down.</p>
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