

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)

$$19 \overline{)421430}$$

(2)

$$18 \overline{)864291}$$

(3)

$$81 \overline{)232713}$$

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

$ \begin{array}{r} 22180 \text{ R10} \\ 19 \overline{)421430} \\ - 38 \\ \hline 41 \\ - 38 \\ \hline 34 \\ - 19 \\ \hline 153 \\ - 152 \\ \hline 10 \\ - 0 \\ \hline \end{array} $ <p>Remainder --> 10</p>	$ \begin{array}{r} 48016 \text{ R3} \\ 18 \overline{)864291} \\ - 72 \\ \hline 144 \\ - 144 \\ \hline 02 \\ - 0 \\ \hline 29 \\ - 18 \\ \hline 111 \\ - 108 \\ \hline 3 \end{array} $ <p>Remainder --> 3</p>	$ \begin{array}{r} 2873 \text{ R0} \\ 81 \overline{)232713} \\ - 162 \\ \hline 707 \\ - 648 \\ \hline 591 \\ - 567 \\ \hline 243 \\ - 243 \\ \hline 0 \end{array} $ <p>Remainder --> 0</p>
<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 19 into 42 (= 2) Multiply 2 times 19 (= 38) Subtract 38 from 42 (= 4) Bring down the 1</p> <p>Divide 19 into 41 (= 2) Multiply 2 times 19 (= 38) Subtract 38 from 41 (= 3) Bring down the 4</p> <p>Divide 19 into 34 (= 1) Multiply 1 times 19 (= 19) Subtract 19 from 34 (= 15) Bring down the 3</p> <p>Divide 19 into 153 (= 8) Multiply 8 times 19 (= 152) Subtract 152 from 153 (= 1) Bring down the 0</p> <p>Divide 19 into 10 (= 0) Multiply 0 times 19 (= 0) Subtract 0 from 10 (= 10) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 18 into 86 (= 4) Multiply 4 times 18 (= 72) Subtract 72 from 86 (= 14) Bring down the 4</p> <p>Divide 18 into 144 (= 8) Multiply 8 times 18 (= 144) Subtract 144 from 144 (= 0) Bring down the 2</p> <p>Divide 18 into 02 (= 0) Multiply 0 times 18 (= 0) Subtract 0 from 02 (= 2) Bring down the 9</p> <p>Divide 18 into 29 (= 1) Multiply 1 times 18 (= 18) Subtract 18 from 29 (= 11) Bring down the 1</p> <p>Divide 18 into 111 (= 6) Multiply 6 times 18 (= 108) Subtract 108 from 111 (= 3) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 81 into 232 (= 2) Multiply 2 times 81 (= 162) Subtract 162 from 232 (= 70) Bring down the 7</p> <p>Divide 81 into 707 (= 8) Multiply 8 times 81 (= 648) Subtract 648 from 707 (= 59) Bring down the 1</p> <p>Divide 81 into 591 (= 7) Multiply 7 times 81 (= 567) Subtract 567 from 591 (= 24) Bring down the 3</p> <p>Divide 81 into 243 (= 3) Multiply 3 times 81 (= 243) Subtract 243 from 243 (= 0) Done. No more numbers to bring down.</p>