

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)

$$901 \overline{)2538}$$

(2)

$$961 \overline{)5685}$$

(3)

$$540 \overline{)9195}$$

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

<p>(1)</p> $\begin{array}{r} 2 \text{ R}736 \\ 901 \overline{)2538} \\ - 1802 \\ \hline \text{Remainder --> } 736 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 901 into 2538 (= 2) Multiply 2 times 901 (= 1802) Subtract 1802 from 2538 (= 736) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 5 \text{ R}880 \\ 961 \overline{)5685} \\ - 4805 \\ \hline \text{Remainder --> } 880 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 961 into 5685 (= 5) Multiply 5 times 961 (= 4805) Subtract 4805 from 5685 (= 880) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 17 \text{ R}15 \\ 540 \overline{)9195} \\ - 540 \\ \hline 3795 \\ - 3780 \\ \hline 15 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 540 into 919 (= 1) Multiply 1 times 540 (= 540) Subtract 540 from 919 (= 379) Bring down the 5</p> <p>Divide 540 into 3795 (= 7) Multiply 7 times 540 (= 3780) Subtract 3780 from 3795 (= 15) Done. No more numbers to bring down.</p>
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