

# 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)

$$239 \overline{)31735}$$

(2)

$$915 \overline{)22527}$$

(3)

$$131 \overline{)89788}$$

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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}  132 \text{ R}187 \\  239 \overline{)31735} \\  - 239 \\  \hline  783 \\  - 717 \\  \hline  665 \\  - 478 \\  \hline  \text{Remainder -->} \quad 187  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 239 into 317 (= 1) Multiply 1 times 239 (= 239) Subtract 239 from 317 (= 78) Bring down the 3</p> <p>Divide 239 into 783 (= 3) Multiply 3 times 239 (= 717) Subtract 717 from 783 (= 66) Bring down the 5</p> <p>Divide 239 into 665 (= 2) Multiply 2 times 239 (= 478) Subtract 478 from 665 (= 187) Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  24 \text{ R}567 \\  915 \overline{)22527} \\  - 1830 \\  \hline  4227 \\  - 3660 \\  \hline  567  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 915 into 2252 (= 2) Multiply 2 times 915 (= 1830) Subtract 1830 from 2252 (= 422) Bring down the 7</p> <p>Divide 915 into 4227 (= 4) Multiply 4 times 915 (= 3660) Subtract 3660 from 4227 (= 567) Done. No more numbers to bring down.</p> <p>Remainder --&gt; 567</p>	<p>(3)</p> $  \begin{array}{r}  685 \text{ R}53 \\  131 \overline{)89788} \\  - 786 \\  \hline  1118 \\  - 1048 \\  \hline  708 \\  - 655 \\  \hline  53  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 131 into 897 (= 6) Multiply 6 times 131 (= 786) Subtract 786 from 897 (= 111) Bring down the 8</p> <p>Divide 131 into 1118 (= 8) Multiply 8 times 131 (= 1048) Subtract 1048 from 1118 (= 70) Bring down the 8</p> <p>Divide 131 into 708 (= 5) Multiply 5 times 131 (= 655) Subtract 655 from 708 (= 53) Done. No more numbers to bring down.</p>
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