

# 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)

$$30 \overline{)642}$$

(2)

$$76 \overline{)381}$$

(3)

$$96 \overline{)959}$$

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

<p>(1)</p> $\begin{array}{r} 21 \text{ R}12 \\ 30 \overline{)642} \\ - 60 \\ \hline 42 \\ - 30 \\ \hline \text{Remainder --> } 12 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 30 into 64 (= 2) Multiply 2 times 30 (= 60) Subtract 60 from 64 (= 4) Bring down the 2</p> <p>Divide 30 into 42 (= 1) Multiply 1 times 30 (= 30) Subtract 30 from 42 (= 12) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 5 \text{ R}1 \\ 76 \overline{)381} \\ - 380 \\ \hline 1 \\ \text{Remainder --> } 1 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 76 into 381 (= 5) Multiply 5 times 76 (= 380) Subtract 380 from 381 (= 1) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 9 \text{ R}95 \\ 96 \overline{)959} \\ - 864 \\ \hline 95 \\ \text{Remainder --> } 95 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 96 into 959 (= 9) Multiply 9 times 96 (= 864) Subtract 864 from 959 (= 95) Done. No more numbers to bring down.</p>
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