

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)

$$4 \overline{)251}$$

(2)

$$3 \overline{)757}$$

(3)

$$7 \overline{)185}$$

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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} 62 \text{ R}3 \\ \hline 4 \overline{)251} \\ - 24 \\ \hline 11 \\ - 8 \\ \hline \text{Remainder --> } 3 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 4 into 25 (= 6) Multiply 6 times 4 (= 24) Subtract 24 from 25 (= 1) Bring down the 1 Divide 4 into 11 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 11 (= 3) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 252 \text{ R}1 \\ \hline 3 \overline{)757} \\ - 6 \\ \hline 15 \\ - 15 \\ \hline 07 \\ - 6 \\ \hline \text{Remainder --> } 1 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 3 into 7 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 7 (= 1) Bring down the 5 Divide 3 into 15 (= 5) Multiply 5 times 3 (= 15) Subtract 15 from 15 (= 0) Bring down the 7 Divide 3 into 07 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 07 (= 1) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 26 \text{ R}3 \\ \hline 7 \overline{)185} \\ - 14 \\ \hline 45 \\ - 42 \\ \hline \text{Remainder --> } 3 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 7 into 18 (= 2) Multiply 2 times 7 (= 14) Subtract 14 from 18 (= 4) Bring down the 5 Divide 7 into 45 (= 6) Multiply 6 times 7 (= 42) Subtract 42 from 45 (= 3) Done. No more numbers to bring down.</p>
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