

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)

$$408 \overline{)169563}$$

(2)

$$960 \overline{)706669}$$

(3)

$$285 \overline{)238956}$$

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

(1)	(2)	(3)
$ \begin{array}{r} 415 \text{ R}243 \\ 408 \overline{)169563} \\ - 1632 \\ \hline 636 \\ - 408 \\ \hline 2283 \\ - 2040 \\ \hline \text{Remainder -->} \quad 243 \end{array} $	$ \begin{array}{r} 736 \text{ R}109 \\ 960 \overline{)706669} \\ - 6720 \\ \hline 3466 \\ - 2880 \\ \hline 5869 \\ - 5760 \\ \hline \text{Remainder -->} \quad 109 \end{array} $	$ \begin{array}{r} 838 \text{ R}126 \\ 285 \overline{)238956} \\ - 2280 \\ \hline 1095 \\ - 855 \\ \hline 2406 \\ - 2280 \\ \hline \text{Remainder -->} \quad 126 \end{array} $
<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 408 into 1695 (= 4) Multiply 4 times 408 (= 1632) Subtract 1632 from 1695 (= 63) Bring down the 6</p> <p>Divide 408 into 636 (= 1) Multiply 1 times 408 (= 408) Subtract 408 from 636 (= 228) Bring down the 3</p> <p>Divide 408 into 2283 (= 5) Multiply 5 times 408 (= 2040) Subtract 2040 from 2283 (= 243) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 960 into 7066 (= 7) Multiply 7 times 960 (= 6720) Subtract 6720 from 7066 (= 346) Bring down the 6</p> <p>Divide 960 into 3466 (= 3) Multiply 3 times 960 (= 2880) Subtract 2880 from 3466 (= 586) Bring down the 9</p> <p>Divide 960 into 5869 (= 6) Multiply 6 times 960 (= 5760) Subtract 5760 from 5869 (= 109) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 285 into 2389 (= 8) Multiply 8 times 285 (= 2280) Subtract 2280 from 2389 (= 109) Bring down the 5</p> <p>Divide 285 into 1095 (= 3) Multiply 3 times 285 (= 855) Subtract 855 from 1095 (= 240) Bring down the 6</p> <p>Divide 285 into 2406 (= 8) Multiply 8 times 285 (= 2280) Subtract 2280 from 2406 (= 126) Done. No more numbers to bring down.</p>