

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)

$$183 \overline{)4821}$$

(2)

$$178 \overline{)8492}$$

(3)

$$459 \overline{)7595}$$

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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} 26 \text{ R}63 \\ 183 \overline{) 4821} \\ \underline{- 366} \quad (2 \times 183) \\ 1161 \\ \underline{- 1098} \quad (6 \times 183) \\ \text{Remainder --> } 63 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 183 into 482 (= 2) Multiply 2 times 183 (= 366) Subtract 366 from 482 (= 116) Bring down the 1</p> <p>Divide 183 into 1161 (= 6) Multiply 6 times 183 (= 1098) Subtract 1098 from 1161 (= 63) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 47 \text{ R}126 \\ 178 \overline{) 8492} \\ \underline{- 712} \quad (4 \times 178) \\ 1372 \\ \underline{- 1246} \quad (7 \times 178) \\ \text{Remainder --> } 126 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 178 into 849 (= 4) Multiply 4 times 178 (= 712) Subtract 712 from 849 (= 137) Bring down the 2</p> <p>Divide 178 into 1372 (= 7) Multiply 7 times 178 (= 1246) Subtract 1246 from 1372 (= 126) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 16 \text{ R}251 \\ 459 \overline{) 7595} \\ \underline{- 459} \quad (1 \times 459) \\ 3005 \\ \underline{- 2754} \quad (6 \times 459) \\ \text{Remainder --> } 251 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 459 into 759 (= 1) Multiply 1 times 459 (= 459) Subtract 459 from 759 (= 300) Bring down the 5</p> <p>Divide 459 into 3005 (= 6) Multiply 6 times 459 (= 2754) Subtract 2754 from 3005 (= 251) Done. No more numbers to bring down.</p>
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