

# 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)

$$856 \overline{) 26682}$$

(2)

$$713 \overline{) 42901}$$

(3)

$$427 \overline{) 23246}$$

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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}  856 \overline{) 26682} \\  \underline{- 2568} \quad (3 \times 856) \\  1002 \\  \underline{- 856} \quad (1 \times 856) \\  \text{Remainder --> } 146  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 856 into 2668 (= 3)            Multiply 3 times 856 (= 2568)            Subtract 2568 from 2668 (= 100)            Bring down the 2</p> <p>Divide 856 into 1002 (= 1)            Multiply 1 times 856 (= 856)            Subtract 856 from 1002 (= 146)            Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  713 \overline{) 42901} \\  \underline{- 4278} \quad (6 \times 713) \\  121 \\  \underline{- 0} \quad (0 \times 713) \\  \text{Remainder --> } 121  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 713 into 4290 (= 6)            Multiply 6 times 713 (= 4278)            Subtract 4278 from 4290 (= 12)            Bring down the 1</p> <p>Divide 713 into 121 (= 0)            Multiply 0 times 713 (= 0)            Subtract 0 from 121 (= 121)            Done. No more numbers to bring down.</p>	<p>(3)</p> $  \begin{array}{r}  427 \overline{) 23246} \\  \underline{- 2135} \quad (5 \times 427) \\  1896 \\  \underline{- 1708} \quad (4 \times 427) \\  \text{Remainder --> } 188  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 427 into 2324 (= 5)            Multiply 5 times 427 (= 2135)            Subtract 2135 from 2324 (= 189)            Bring down the 6</p> <p>Divide 427 into 1896 (= 4)            Multiply 4 times 427 (= 1708)            Subtract 1708 from 1896 (= 188)            Done. No more numbers to bring down.</p>
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