

# 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)

$$25 \overline{)684}$$

(2)

$$12 \overline{)904}$$

(3)

$$38 \overline{)831}$$

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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}  27 \text{ R}9 \\  25 \overline{) 684} \\  \underline{- 50} \qquad (2 \times 25) \\  184 \\  \underline{- 175} \qquad (7 \times 25) \\  \text{Remainder --> } 9  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 25 into 68 (= 2)            Multiply 2 times 25 (= 50)            Subtract 50 from 68 (= 18)            Bring down the 4</p> <p>Divide 25 into 184 (= 7)            Multiply 7 times 25 (= 175)            Subtract 175 from 184 (= 9)            Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  75 \text{ R}4 \\  12 \overline{) 904} \\  \underline{- 84} \qquad (7 \times 12) \\  64 \\  \underline{- 60} \qquad (5 \times 12) \\  \text{Remainder --> } 4  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 12 into 90 (= 7)            Multiply 7 times 12 (= 84)            Subtract 84 from 90 (= 6)            Bring down the 4</p> <p>Divide 12 into 64 (= 5)            Multiply 5 times 12 (= 60)            Subtract 60 from 64 (= 4)            Done. No more numbers to bring down.</p>	<p>(3)</p> $  \begin{array}{r}  21 \text{ R}33 \\  38 \overline{) 831} \\  \underline{- 76} \qquad (2 \times 38) \\  71 \\  \underline{- 38} \qquad (1 \times 38) \\  \text{Remainder --> } 33  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 38 into 83 (= 2)            Multiply 2 times 38 (= 76)            Subtract 76 from 83 (= 7)            Bring down the 1</p> <p>Divide 38 into 71 (= 1)            Multiply 1 times 38 (= 38)            Subtract 38 from 71 (= 33)            Done. No more numbers to bring down.</p>
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