

# 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)

$$764 \overline{) 75054}$$

(2)

$$436 \overline{) 26936}$$

(3)

$$394 \overline{) 15623}$$

# 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

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

<p>(1)</p> $  \begin{array}{r}  98 \text{ R}182 \\  764 \overline{) 75054} \\  \underline{- 6876} \quad (9 \times 764) \\  6294 \\  \underline{- 6112} \quad (8 \times 764) \\  \text{Remainder --> } 182  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 764 into 7505 (= 9)            Multiply 9 times 764 (= 6876)            Subtract 6876 from 7505 (= 629)            Bring down the 4</p> <p>Divide 764 into 6294 (= 8)            Multiply 8 times 764 (= 6112)            Subtract 6112 from 6294 (= 182)            Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  61 \text{ R}340 \\  436 \overline{) 26936} \\  \underline{- 2616} \quad (6 \times 436) \\  776 \\  \underline{- 436} \quad (1 \times 436) \\  \text{Remainder --> } 340  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 436 into 2693 (= 6)            Multiply 6 times 436 (= 2616)            Subtract 2616 from 2693 (= 77)            Bring down the 6</p> <p>Divide 436 into 776 (= 1)            Multiply 1 times 436 (= 436)            Subtract 436 from 776 (= 340)            Done. No more numbers to bring down.</p>	<p>(3)</p> $  \begin{array}{r}  39 \text{ R}257 \\  394 \overline{) 15623} \\  \underline{- 1182} \quad (3 \times 394) \\  3803 \\  \underline{- 3546} \quad (9 \times 394) \\  \text{Remainder --> } 257  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 394 into 1562 (= 3)            Multiply 3 times 394 (= 1182)            Subtract 1182 from 1562 (= 380)            Bring down the 3</p> <p>Divide 394 into 3803 (= 9)            Multiply 9 times 394 (= 3546)            Subtract 3546 from 3803 (= 257)            Done. No more numbers to bring down.</p>
---	--	---