

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)

$$4 \overline{) 51}$$

(2)

$$6 \overline{) 56}$$

(3)

$$4 \overline{) 15}$$

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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"

(1)

$$\begin{array}{r} 12 \text{ R}3 \\ 4 \overline{) 51} \\ \underline{- 4} \\ 11 \\ \underline{- 8} \\ 3 \end{array} \quad \begin{array}{l} (1 \times 4) \\ (2 \times 4) \end{array}$$

Remainder --> 3

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 5 (= 1)
Multiply 1 times 4 (= 4)
Subtract 4 from 5 (= 1)
Bring down the 1

Divide 4 into 11 (= 2)
Multiply 2 times 4 (= 8)
Subtract 8 from 11 (= 3)
Done. No more numbers to bring down.

(2)

$$\begin{array}{r} 9 \text{ R}2 \\ 6 \overline{) 56} \\ \underline{- 54} \\ 2 \end{array} \quad (9 \times 6)$$

Remainder --> 2

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6 into 56 (= 9)
Multiply 9 times 6 (= 54)
Subtract 54 from 56 (= 2)
Done. No more numbers to bring down.

(3)

$$\begin{array}{r} 3 \text{ R}3 \\ 4 \overline{) 15} \\ \underline{- 12} \\ 3 \end{array} \quad (3 \times 4)$$

Remainder --> 3

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 15 (= 3)
Multiply 3 times 4 (= 12)
Subtract 12 from 15 (= 3)
Done. No more numbers to bring down.