

# 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)

$$7 \overline{)44}$$

(2)

$$4 \overline{)48}$$

(3)

$$8 \overline{)80}$$

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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)

$$\begin{array}{r} 6 \text{ R}2 \\ 7 \overline{)44} \\ \underline{-42} \phantom{0} \\ \phantom{0}2 \phantom{0} \end{array} \quad (6 \times 7)$$

Remainder --> 2

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7 into 44 (= 6)  
Multiply 6 times 7 (= 42)  
Subtract 42 from 44 (= 2)  
Done. No more numbers to bring down.

(2)

$$\begin{array}{r} 12 \text{ R}0 \\ 4 \overline{)48} \\ \underline{-4} \phantom{0} \\ \phantom{0}8 \phantom{0} \\ \underline{-8} \phantom{0} \\ \phantom{0}0 \phantom{0} \end{array} \quad (1 \times 4)$$

Remainder --> 0

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 4 (= 1)  
Multiply 1 times 4 (= 4)  
Subtract 4 from 4 (= 0)  
Bring down the 8

Divide 4 into 08 (= 2)  
Multiply 2 times 4 (= 8)  
Subtract 8 from 08 (= 0)  
Done. No more numbers to bring down.

(3)

$$\begin{array}{r} 10 \text{ R}0 \\ 8 \overline{)80} \\ \underline{-8} \phantom{0} \\ \phantom{0}0 \phantom{0} \\ \underline{-0} \phantom{0} \\ \phantom{0}0 \phantom{0} \end{array} \quad (1 \times 8)$$

Remainder --> 0

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8 into 8 (= 1)  
Multiply 1 times 8 (= 8)  
Subtract 8 from 8 (= 0)  
Bring down the 0

Divide 8 into 00 (= 0)  
Multiply 0 times 8 (= 0)  
Subtract 0 from 00 (= 0)  
Done. No more numbers to bring down.