## 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

431 82393	862 74096	655 13192

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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)	191 R72	-
431	82393	
-	431	(1 x 431)
	3929	
_	3879	(9x431)
	503	
	- 431	(1 x 431)
Remainder>	72	

Divide, Multiply, Subtract, Bring down, Repeat

Divide 431 into 823 (= 1) Multiply 1 times 431 (= 431) Subtract 431 from 823 (= 392) Bring down the 9

Divide 431 into 3929 (= 9) Multiply 9 times 431 (= 3879) Subtract 3879 from 3929 (= 50) Bring down the 3

Divide 431 into 503 (=1) Multiply 1 times 431 (=431) Subtract 431 from 503 (=72) Done. No more numbers to bring down.

(2) 
$$85 R826$$
 $862 74096$ 

$$- 6896 (8x862)$$
 $5136$ 

$$- 4310 (5x862)$$
Remainder --> 826

Divide, Multiply, Subtract, Bring down, Repeat

Divide 862 into 7409 ( = 8 ) Multiply 8 times 862 ( = 6896 ) Subtract 6896 from 7409 ( = 513 ) Bring down the 6

Divide 862 into 5136 (= 5)

Multiply 5 times 862 (= 4310)

Subtract 4310 from 5136 (= 826)

Done. No more numbers to bring down.

Divide, Multiply, Subtract, Bring down, Repeat

Divide 655 into 1319 ( = 2 ) Multiply 2 times 655 ( = 1310 ) Subtract 1310 from 1319 ( = 9 ) Bring down the 2

Divide 655 into 92 ( = 0 ) Multiply 0 times 655 ( = 0 ) Subtract 0 from 92 ( = 92 ) Done. No more numbers to bring down.