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)	(2)	(3)
21 8637	15 7738	85 9056

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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)	411 R6	
21	8637	
-	84	(4 x 21)
	23	
	21	(1x21)
	27	
	<u>- 21</u>	(1x21)
Remainder>	б	

(2)

515 R13 15 7738 - 75 (5×15) 23 - 15 (1×15) 88 - 75 (5x15)

(3) 106 R46 9056 - 85 (1×85) 55 (0x85)

- 0 556 - 510 (6x85)

46

13

Remainder -->

Remainder -->

Divide, Multiply, Subtract, Bring down, Repeat

Divide 21 into 86 (= 4)Multiply 4 times 21 (= 84)Subtract 84 from 86 (= 2) Bring down the 3

Divide 21 into 23 (=1) Multiply 1 times 21 (= 21)Subtract 21 from 23 (=2)Bring down the 7

Divide 21 into 27 (=1)Multiply 1 times 21 (= 21)Subtract 21 from 27 (= 6) Done. No more numbers to bring down. Divide, Multiply, Subtract, Bring down, Repeat

Divide 15 into 77 (= 5) Multiply 5 times 15 (= 75)Subtract 75 from 77 (=2)Bring down the 3

Divide 15 into 23 (= 1) Multiply 1 times 15 (= 15)Subtract 15 from 23 (= 8) Bring down the 8

Divide 15 into 88 (= 5) Multiply 5 times 15 (= 75)Subtract 75 from 88 (= 13) Done. No more numbers to bring down. Divide, Multiply, Subtract, Bring down, Repeat

Divide 85 into 90 (= 1)Multiply 1 times 85 (= 85) Subtract 85 from 90 (= 5) Bring down the 5

Divide 85 into 55 (= 0) Multiply 0 times 85 (= 0)Subtract 0 from 55 (= 55)Bring down the 6

Divide 85 into 556 (= 6) Multiply 6 times 85 (= 510) Subtract 510 from 556 (= 46) Done. No more numbers to bring down.