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
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Solutions are on page 2

	(2)	(3)
35 3823	93 6236	93 5791

Solved Long Division Problems with Step-By-Step Walkthrough

(3) Subtract

Steps: (1) Divide (2) Multiply

(4) Bring down the next number (5) F

ext number (5) Repeat if needed

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

$\frac{109 \text{ R8}}{35 3823}$ $\frac{-35}{322}$ $\frac{-0}{323}$ $\frac{-0}{323}$ $\frac{-0}{323}$ $\frac{-315}{-325}$ $(9x35)$ $\frac{-315}{322}$ $\frac{-315}{323}$ $\frac{-315}{333}$ \frac			
$-\frac{35}{32}$ $-\frac{315}{323}$ $-\frac{0}{323}$ $-\frac{315}{323}$ $-\frac{315}{333}$ $-\frac{315}{$	⁽¹⁾ 109 R8	⁽²⁾ 67 R5	⁽³⁾ 62 R25
32 -0 323 -315 -315 8 -651 -651 $7x93$ -186 $7x93$ Remainder>8Divide, Multiply, Subtract, Bring down, RepeatDivide, Multiply, Subtract, Bring down, RepeatDivide, Multiply, Subtract, Bring down, RepeatDivide, Multiply, Subtract, Bring down, RepeatDivide 93 into 623 (= 6) Multiply 6 times 93 (= 558) Subtract 35 from 38 (= 3)Divide 93 into 653 (= 7) Multiply 7 times 93 (= 651) Subtract 651 from 656 (= 7) Multiply 0 times 35 (= 32)Divide 93 into 656 (= 7) Multiply 0 times 35 (= 32) Bring down the 3Divide 93 into 656 (= 5) Done. No more numbers to bring down.Divide 93 into 211 (= 2) Multiply 2 times 93 (= 165) Subtract 135 from 323 (= 9) Multiply 0 times 35 (= 315) Subtract 315 from 323 (= 8)Divide 35 (= 315) Subtract 315 from 323 (= 8)	35 3823	93 6236	93 5791
$\frac{-0}{323}$ $\frac{-315}{-315}$ $(9x35)$ Remainder> $\frac{-651}{5}$ $(7x93)$ Remainder> $\frac{-186}{25}$ $(2x93)$	-35 (1x35)	-558 (6x93)	- <u>558</u> (6x93)
323 -315 $(9x35)$ Remainder> 5 Remainder> 25 Remainder> 8 Divide, Multiply, Subtract, Bring down, RepeatDivide, Multiply, Subtract, Bring down, RepeatDivide 93 into 623 (= 6) Multiply 6 times 93 (= 558) Subtract 558 from 623 (= 6 5) Bring down the 6Divide 93 into 579 (= 6) Multiply 6 times 93 (= 558) Subtract 558 from 579 (= 21) Bring down the 1Divide 35 into 38 (= 1) Multiply 1 times 35 (= 35) Subtract 35 from 38 (= 3) Bring down the 2Divide 93 into 656 (= 7) Multiply 7 times 93 (= 651) Subtract 651 from 656 (= 5) Done. No more numbers to bring down.Divide 93 into 211 (= 2) Multiply 2 times 93 (= 186) Subtract 186 from 211 (= 25) Done. No more numbers to bring down.			
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Multiply 9 times 35 (= 315) Subtract 315 from 323 (= 8)	Bring down the 3		
Subtract 315 from 323 (= 8)	Divide 35 into 323 (= 9)		
	Done. No more numbers to bring down.		