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)
402 717044	662 847441	693 646673

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Steps:

(1) Divide

(2) Multiply

(3) Subtract

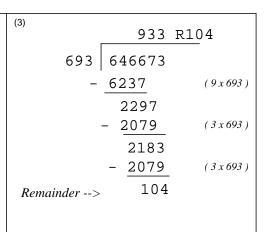
(4) Bring down the next number

(5) Repeat if needed

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

(1)	1783	R278
402	717044	
_	402	(1 x 402)
	3150	
_	2814	(7 x 402)
	3364	
	- 3216	(8 x 402)
	1484	
	- 1206	(3 x 402)
Remainder>	278	

(2)
$$\begin{array}{r|rrr}
 & 1280 & R81 \\
 & 662 & 847441 \\
 & - \underline{662} & (1x662) \\
 & 1854 \\
 & - \underline{1324} & (2x662) \\
 & 5304 \\
 & - \underline{5296} & (8x662) \\
 & 81 \\
 & \underline{-0} & (0x662) \\
 & 81
\end{array}$$
Remainder -->



Divide, Multiply, Subtract, Bring down, Repeat

Divide 402 into 717 (= 1) Multiply 1 times 402 (= 402) Subtract 402 from 717 (= 315) Bring down the 0

Divide 402 into 3150 (= 7) Multiply 7 times 402 (= 2814) Subtract 2814 from 3150 (= 336) Bring down the 4

Divide 402 into 3364 (= 8) Multiply 8 times 402 (= 3216) Subtract 3216 from 3364 (= 148) Bring down the 4

Divide 402 into 1484 (= 3)
Multiply 3 times 402 (= 1206)
Subtract 1206 from 1484 (= 278)
Done. No more numbers to bring down.

Divide, Multiply, Subtract, Bring down, Repeat

Divide 662 into 847 (= 1) Multiply 1 times 662 (= 662) Subtract 662 from 847 (= 185) Bring down the 4

Divide 662 into 1854 (= 2) Multiply 2 times 662 (= 1324) Subtract 1324 from 1854 (= 530) Bring down the 4

Divide 662 into 5304 (= 8) Multiply 8 times 662 (= 5296) Subtract 5296 from 5304 (= 8) Bring down the 1

Divide 662 into 81 (= 0) Multiply 0 times 662 (= 0) Subtract 0 from 81 (= 81) Done. No more numbers to bring down. Divide, Multiply, Subtract, Bring down, Repeat

Divide 693 into 6466 (= 9) Multiply 9 times 693 (= 6237) Subtract 6237 from 6466 (= 229) Bring down the 7

Divide 693 into 2297 (= 3) Multiply 3 times 693 (= 2079) Subtract 2079 from 2297 (= 218) Bring down the 3

Divide 693 into 2183 (= 3) Multiply 3 times 693 (= 2079) Subtract 2079 from 2183 (= 104) Done. No more numbers to bring down.