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)
2 8172621	2 4034249	4 7258503

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(1) Divide Steps:

(2) Multiply

(3) Subtract

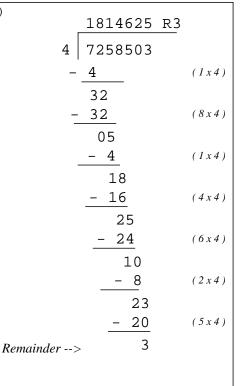
(4) Bring down the next number

(3)

(5) Repeat if needed

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

(1)	1086310 R	1
2 8	3172621	
- <u>8</u>	3	(4 x 2)
(01	
	0	(0x2)
	17	
<u>-</u>	16	(8x2)
	12	
	- 12	(6x2)
	06	
	_ 6	(3x2)
	02	
	2	(1x2)
	01	
	_ 0	(0x2)
Remainder>	1	



Divide, Multiply, Subtract, Bring down, Repeat

Divide 2 into 8 (= 4)Multiply 4 times 2 (= 8)Subtract 8 from 8 (= 0)Bring down the 1 Divide 2 into 01 (= 0)

Divide 2 into 17 (= 8)Multiply 8 times 2 (= 16)Subtract 16 from 17 (= 1) Bring down the 2

Bring down the 6 Divide 2 into 06 (= 3)Multiply 3 times 2 (= 6)Subtract 6 from 06 (= 0)Bring down the 2 Divide 2 into 02 = 1

Subtract 2 from 02 (= 0)

Bring down the 1

Multiply 0 times 2 (= 0)Subtract 0 from 01 (= 1) Bring down the 7

Divide 2 into 12 = 6Multiply 6 times 2 (= 12)Subtract 12 from 12 = 0Multiply 1 times 2 (= 2)

Divide, Multiply, Subtract, Bring down, Repeat

Subtract 4 from 4 (= 0)Bring down the 0 Divide 2 into 00 = 0Multiply 0 times 2 (= 0)Subtract 0 from 00 (= 0)Bring down the 3 Divide 2 into 03 (= 1)

Multiply 1 times 2 (= 2)

Subtract 2 from 03 (= 1)

Bring down the 4

Remainder -->

Divide 2 into 4 (= 2)

Multiply 2 times 2 (= 4)

Divide 2 into 14 (=7)Multiply 7 times 2 (= 14)Subtract 14 from 14 = 0Bring down the 2

Multiply 1 times 2 (= 2)Subtract 2 from 02 = 0Bring down the 4 Divide 2 into 04 (= 2)Multiply 2 times 2 (= 4)Subtract 4 from 04 (= 0)

Divide 2 into 02 = 1

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 7 (= 1)Multiply 1 times 4 (= 4)Subtract 4 from 7 (= 3)Bring down the 2 Divide 4 into 32 (= 8)Multiply 8 times 4 (= 32)Subtract 32 from 32 (= 0)Bring down the 5 Divide 4 into 05 (= 1) Multiply 1 times 4 (= 4)

Bring down the 8 Divide 4 into 18 (= 4)Multiply 4 times 4 (= 16)Subtract 16 from 18 (= 2)Bring down the 5 Divide 4 into 25 (= 6)Multiply 6 times 4 (= 24)

Subtract 4 from 05 (= 1)

Subtract 24 from 25 (= 1) Bring down the 0 Divide 4 into 10 (= 2)Multiply 2 times 4 (= 8)Subtract 8 from 10 (= 2)Bring down the 3

Divide 2 into 01 (= 0)Multiply 0 times 2 (= 0)Subtract 0 from 01 (= 1)Done. No more numbers to bring down. Divide 2 into 09 (= 4)Multiply 4 times 2 (= 8)

Bring down the 9

www.worksheetsandwalkthroughs.com, Page 2/2 Done. No more numbers to bring down.

Divide 4 into 23 (= 5)Multiply 5 times 4 (= 20)Subtract 20 from 23 (= 3)Done. No more numbers to bring down.