## 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 685424	4 166782	6 460528

## Solved Long Division Problems with Step-By-Step Walkthrough

(1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed Steps:

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

(1)	342712 R0 2 685424	
	- 6	(3 x 2)
	08	
	8	(4x2)
	05	
	4	(2x2)
	14	
	<u> </u>	(7x2)
	02	
	2	(1x2)
	04	(2.2)
	4	(2x2)

Divide, Multiply, Subtract, Bring down, Repeat

Divide 2 into 6 (= 3)Multiply 3 times 2 (= 6)Subtract 6 from 6 (= 0)Bring down the 8

Remainder -->

Divide 2 into 08 (= 4)Multiply 4 times 2 (= 8)Subtract 8 from 08 (= 0)Bring down the 5

Divide 2 into 05 (= 2)Multiply 2 times 2 (= 4)Subtract 4 from 05 (= 1)Bring down the 4

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

Divide 2 into 02 (= 1)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)

Done. No more numbers to bring down.

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 16 (= 4)Multiply 4 times 4 (= 16)Subtract 16 from 16 (= 0)Bring down the 6

Divide 4 into 06 ( = 1 ) Multiply 1 times 4 (= 4)Subtract 4 from 06 (= 2)Bring down the 7

Divide 4 into 27 ( = 6) Multiply 6 times 4 (= 24)Subtract 24 from 27 (= 3)Bring down the 8

Divide 4 into 38 ( = 9 ) Multiply 9 times 4 (= 36)Subtract 36 from 38 (= 2)Bring down the 2

Divide 4 into 22 ( = 5 ) Multiply 5 times 4 (= 20)Subtract 20 from 22 (= 2)Done. No more numbers to bring down.

76754 R4 6 460528 - 42 (7x6)- 36 (6x6)45 - 42 (7x6)32 - 30 (5x6)28 - 24 (4x6)Remainder -->

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6 into 46 (=7)Multiply 7 times 6 (= 42)Subtract 42 from 46 (= 4)Bring down the 0

(3)

Divide 6 into 40 ( = 6 ) Multiply 6 times 6 (= 36)Subtract 36 from 40 (= 4)Bring down the 5

Divide 6 into 45 ( = 7 ) Multiply 7 times 6 (= 42)Subtract 42 from 45 ( = 3 ) Bring down the 2

Divide 6 into 32 ( = 5 ) Multiply 5 times 6 (= 30)Subtract 30 from 32 (= 2)Bring down the 8

Divide 6 into 28 (= 4)

Multiply 4 times 6 (= 24)Subtract 24 from 28 (= 4)Done. No more numbers to bring down.