## 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)
6 4244807	6 4907645	6 6608072

## 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)	707467	R5	
6 4	244807		
4	2		(7x6)
	04		
	- 0		(0x6)
	44		
_	42		(7x6)
	28		
	- 24		(4x6)
	40		
	- 36		(6x6)
	47		
	_ 42		(7x6)
Remainder>	5		

Divide, Multiply, Subtract, Bring down, Repeat

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

Divide 6 into 04 = 0Multiply 0 times 6 (= 0)Subtract 0 from 04 (= 4)Bring down the 4

Divide 6 into 44 (= 7)Multiply 7 times 6 (= 42)Subtract 42 from 44 (= 2)Bring down the 8

Divide 6 into 28 (= 4)Multiply 4 times 6 (= 24)Subtract 24 from 28 (= 4)Bring down the 0

Multiply 6 times 6 (= 36)Subtract 36 from 40 (= 4)Bring down the 7

Divide 6 into 40 (= 6)

Divide 6 into 47 ( = 7) Multiply 7 times 6 (= 42)Subtract 42 from 47 ( = 5)

Done. No more numbers to bring down.

(2) 
$$817940 \text{ R5}$$
6  $4907645$ 

-  $48$  (8x6)
10
- 6 (1x6)
47
- 42 (7x6)
56
- 54 (9x6)
24
- 24 (4x6)
05
- 0 (0x6)
Remainder -->

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6 into 49 ( = 8) Multiply 8 times 6 (= 48)Subtract 48 from 49 ( = 1 ) Bring down the 0

Divide 6 into 10 (= 1) Multiply 1 times 6 (= 6)Subtract 6 from 10 (= 4)Bring down the 7

Divide 6 into 47 (= 7)Multiply 7 times 6 (= 42)Subtract 42 from 47 ( = 5) Bring down the 6

Divide 6 into 56 (= 9)Multiply 9 times 6 (= 54)Subtract 54 from 56 (= 2)Bring down the 4

Divide 6 into 24 (= 4)Multiply 4 times 6 (= 24)Subtract 24 from 24 (=0) Bring down the 5

Divide 6 into 05 (= 0)Multiply 0 times 6 (= 0)Subtract 0 from 05 (= 5)Done. No more numbers to bring down.

1101345 R2 6 6608072 (1x6)(1x6)(0x6)08 - 6 (1x6)20 - 18 (3x6)27 - 24 (4x6)32 (5x6)

Remainder -->

(3)

Divide, Multiply, Subtract, Bring down, Repeat

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

Multiply 1 times 6 (= 6)Subtract 6 from 06 (= 0)Bring down the 0

Divide 6 into 00 (= 0)Multiply 0 times 6 (= 0)Subtract 0 from 00 (= 0)Bring down the 8

Divide 6 into 08 (= 1)Multiply 1 times 6 (= 6)Subtract 6 from 08 (= 2)Bring down the 0

Divide 6 into 20 (= 3)Multiply 3 times 6 (= 18)Subtract 18 from 20 (= 2)Bring down the 7

Divide 6 into 27 (= 4)Multiply 4 times 6 (= 24)Subtract 24 from 27 (= 3)Bring down the 2

Divide 6 into 32 ( = 5 ) Multiply 5 times 6 (= 30)Subtract 30 from 32 (= 2)Done. No more numbers to bring down.