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)

5 | 82

(2)

5 | 81

(3)

7 | 19

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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"

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(1)

```
        16 R2
   5 | 82
     −  5           ( 1 x 5 )
        32
     − 30           ( 6 x 5 )
```
Remainder --> 2

Divide, Multiply, Subtract, Bring down, Repeat

Divide 5 into 8 (= 1)
Multiply 1 times 5 (= 5)
Subtract 5 from 8 (= 3)
Bring down the 2

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

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(2)

```
        16 R1
   5 | 81
     −  5           ( 1 x 5 )
        31
     − 30           ( 6 x 5 )
```
Remainder --> 1

Divide, Multiply, Subtract, Bring down, Repeat

Divide 5 into 8 (= 1)
Multiply 1 times 5 (= 5)
Subtract 5 from 8 (= 3)
Bring down the 1

Divide 5 into 31 (= 6)
Multiply 6 times 5 (= 30)
Subtract 30 from 31 (= 1)
Done. No more numbers to bring down.

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(3)

```
        2 R5
   7 | 19
     − 14           ( 2 x 7 )
```
Remainder --> 5

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7 into 19 (= 2)
Multiply 2 times 7 (= 14)
Subtract 14 from 19 (= 5)
Done. No more numbers to bring down.