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)

$5\overline{)18}$

(2)

$2\overline{)30}$

(3)

$7\overline{)79}$

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

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(1)

```
       3  R3
   5 | 18
     − 15          ( 3 x 5 )
```
Remainder -->   3

Divide, Multiply, Subtract, Bring down, Repeat

Divide 5 into 18 (= 3)
Multiply 3 times 5 (= 15)
Subtract 15 from 18 (= 3)
Done. No more numbers to bring down.

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(2)

```
       15  R0
   2 | 30
     −  2          ( 1 x 2 )
        10
     − 10          ( 5 x 2 )
```
Remainder -->   0

Divide, Multiply, Subtract, Bring down, Repeat

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

Divide 2 into 10 (= 5)
Multiply 5 times 2 (= 10)
Subtract 10 from 10 (= 0)
Done. No more numbers to bring down.

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(3)

```
       11  R2
   7 | 79
     −  7          ( 1 x 7 )
        09
     −  7          ( 1 x 7 )
```
Remainder -->   2

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7 into 7 (= 1)
Multiply 1 times 7 (= 7)
Subtract 7 from 7 (= 0)
Bring down the 9

Divide 7 into 09 (= 1)
Multiply 1 times 7 (= 7)
Subtract 7 from 09 (= 2)
Done. No more numbers to bring down.