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)

$4\overline{)108}$

(2)

$2\overline{)919}$

(3)

$5\overline{)185}$

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

(1)

```
      27 R0
4 | 108
  - 8          ( 2 x 4 )
    28
  - 28         ( 7 x 4 )
Remainder -->  0
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 10 (= 2)
Multiply 2 times 4 (= 8)
Subtract 8 from 10 (= 2)
Bring down the 8

Divide 4 into 28 (= 7)
Multiply 7 times 4 (= 28)
Subtract 28 from 28 (= 0)
Done. No more numbers to bring down.

(2)

```
      459 R1
2 | 919
  - 8          ( 4 x 2 )
    11
  - 10         ( 5 x 2 )
     19
   - 18        ( 9 x 2 )
Remainder -->  1
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 2 into 9 (= 4)
Multiply 4 times 2 (= 8)
Subtract 8 from 9 (= 1)
Bring down the 1

Divide 2 into 11 (= 5)
Multiply 5 times 2 (= 10)
Subtract 10 from 11 (= 1)
Bring down the 9

Divide 2 into 19 (= 9)
Multiply 9 times 2 (= 18)
Subtract 18 from 19 (= 1)
Done. No more numbers to bring down.

(3)

```
      37 R0
5 | 185
  - 15         ( 3 x 5 )
    35
  - 35         ( 7 x 5 )
Remainder -->  0
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 5 into 18 (= 3)
Multiply 3 times 5 (= 15)
Subtract 15 from 18 (= 3)
Bring down the 5

Divide 5 into 35 (= 7)
Multiply 7 times 5 (= 35)
Subtract 35 from 35 (= 0)
Done. No more numbers to bring down.