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)

28 | 803

(2)

84 | 810

(3)

63 | 813

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

(1)

```
        28 R19
     _____
 28 | 803
    -  56          ( 2 x 28 )
     _____
       243
    -  224          ( 8 x 28 )
     _____
Remainder -->   19
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 28 into 80 (= 2)
Multiply 2 times 28 (= 56)
Subtract 56 from 80 (= 24)
Bring down the 3

Divide 28 into 243 (= 8)
Multiply 8 times 28 (= 224)
Subtract 224 from 243 (= 19)
Done. No more numbers to bring down.

(2)

```
        9 R54
     _____
 84 | 810
    -  756          ( 9 x 84 )
     _____
Remainder -->   54
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 84 into 810 (= 9)
Multiply 9 times 84 (= 756)
Subtract 756 from 810 (= 54)
Done. No more numbers to bring down.

(3)

```
        12 R57
     _____
 63 | 813
    -  63          ( 1 x 63 )
     _____
       183
    -  126          ( 2 x 63 )
     _____
Remainder -->   57
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 63 into 81 (= 1)
Multiply 1 times 63 (= 63)
Subtract 63 from 81 (= 18)
Bring down the 3

Divide 63 into 183 (= 2)
Multiply 2 times 63 (= 126)
Subtract 126 from 183 (= 57)
Done. No more numbers to bring down.