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)

781 | 80176

(2)

227 | 13676

(3)

360 | 67379

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

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

(1)

```
      102 R514
781 | 80176
    - 781          ( 1 x 781 )
      207
    -   0          ( 0 x 781 )
      2076
    - 1562         ( 2 x 781 )
       514
```

Remainder --> 514

Divide, Multiply, Subtract, Bring down, Repeat

Divide 781 into 801 (= 1)
Multiply 1 times 781 (= 781)
Subtract 781 from 801 (= 20)
Bring down the 7

Divide 781 into 207 (= 0)
Multiply 0 times 781 (= 0)
Subtract 0 from 207 (= 207)
Bring down the 6

Divide 781 into 2076 (= 2)
Multiply 2 times 781 (= 1562)
Subtract 1562 from 2076 (= 514)
Done. No more numbers to bring down.

(2)

```
       60 R56
227 | 13676
    - 1362         ( 6 x 227 )
      56
    -   0          ( 0 x 227 )
      56
```

Remainder --> 56

Divide, Multiply, Subtract, Bring down, Repeat

Divide 227 into 1367 (= 6)
Multiply 6 times 227 (= 1362)
Subtract 1362 from 1367 (= 5)
Bring down the 6

Divide 227 into 56 (= 0)
Multiply 0 times 227 (= 0)
Subtract 0 from 56 (= 56)
Done. No more numbers to bring down.

(3)

```
      187 R59
360 | 67379
    - 360          ( 1 x 360 )
      3137
    - 2880         ( 8 x 360 )
      2579
    - 2520         ( 7 x 360 )
        59
```

Remainder --> 59

Divide, Multiply, Subtract, Bring down, Repeat

Divide 360 into 673 (= 1)
Multiply 1 times 360 (= 360)
Subtract 360 from 673 (= 313)
Bring down the 7

Divide 360 into 3137 (= 8)
Multiply 8 times 360 (= 2880)
Subtract 2880 from 3137 (= 257)
Bring down the 9

Divide 360 into 2579 (= 7)
Multiply 7 times 360 (= 2520)
Subtract 2520 from 2579 (= 59)
Done. No more numbers to bring down.