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)

$$101 \overline{)175097}$$

(2)

$$352 \overline{)100746}$$

(3)

$$277 \overline{)693823}$$

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)

```
      1733 R64
  101 | 175097
    - 101          ( 1 x 101 )
      740
    - 707          ( 7 x 101 )
      339
    - 303          ( 3 x 101 )
      367
    - 303          ( 3 x 101 )
      64
```

Remainder --> 64

Divide, Multiply, Subtract, Bring down, Repeat

Divide 101 into 175 (= 1)
Multiply 1 times 101 (= 101)
Subtract 101 from 175 (= 74)
Bring down the 0

Divide 101 into 740 (= 7)
Multiply 7 times 101 (= 707)
Subtract 707 from 740 (= 33)
Bring down the 9

Divide 101 into 339 (= 3)
Multiply 3 times 101 (= 303)
Subtract 303 from 339 (= 36)
Bring down the 7

Divide 101 into 367 (= 3)
Multiply 3 times 101 (= 303)
Subtract 303 from 367 (= 64)
Done. No more numbers to bring down.

(2)

```
      286 R74
  352 | 100746
    - 704          ( 2 x 352 )
      3034
    - 2816         ( 8 x 352 )
      2186
    - 2112         ( 6 x 352 )
      74
```

Remainder --> 74

Divide, Multiply, Subtract, Bring down, Repeat

Divide 352 into 1007 (= 2)
Multiply 2 times 352 (= 704)
Subtract 704 from 1007 (= 303)
Bring down the 4

Divide 352 into 3034 (= 8)
Multiply 8 times 352 (= 2816)
Subtract 2816 from 3034 (= 218)
Bring down the 6

Divide 352 into 2186 (= 6)
Multiply 6 times 352 (= 2112)
Subtract 2112 from 2186 (= 74)
Done. No more numbers to bring down.

(3)

```
      2504 R215
  277 | 693823
    - 554          ( 2 x 277 )
      1398
    - 1385         ( 5 x 277 )
      132
    - 0            ( 0 x 277 )
      1323
    - 1108         ( 4 x 277 )
      215
```

Remainder --> 215

Divide, Multiply, Subtract, Bring down, Repeat

Divide 277 into 693 (= 2)
Multiply 2 times 277 (= 554)
Subtract 554 from 693 (= 139)
Bring down the 8

Divide 277 into 1398 (= 5)
Multiply 5 times 277 (= 1385)
Subtract 1385 from 1398 (= 13)
Bring down the 2

Divide 277 into 132 (= 0)
Multiply 0 times 277 (= 0)
Subtract 0 from 132 (= 132)
Bring down the 3

Divide 277 into 1323 (= 4)
Multiply 4 times 277 (= 1108)
Subtract 1108 from 1323 (= 215)
Done. No more numbers to bring down.