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)

$$502\overline{)3909}$$

(2)

$$468\overline{)3756}$$

(3)

$$473\overline{)2149}$$

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)

```
          7 R395
   502 | 3909
       - 3514        ( 7 x 502 )
   Remainder -->  395
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 502 into 3909 (= 7)
Multiply 7 times 502 (= 3514)
Subtract 3514 from 3909 (= 395)
Done. No more numbers to bring down.

(2)

```
          8 R12
   468 | 3756
       - 3744        ( 8 x 468 )
   Remainder -->  12
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 468 into 3756 (= 8)
Multiply 8 times 468 (= 3744)
Subtract 3744 from 3756 (= 12)
Done. No more numbers to bring down.

(3)

```
          4 R257
   473 | 2149
       - 1892        ( 4 x 473 )
   Remainder -->  257
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 473 into 2149 (= 4)
Multiply 4 times 473 (= 1892)
Subtract 1892 from 2149 (= 257)
Done. No more numbers to bring down.