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)

$$567 \overline{)9370}$$

(2)

$$681 \overline{)1758}$$

(3)

$$395 \overline{)5326}$$

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

(1)

```
              16 R298
       _____
567 |  9370
     -   567            ( 1 x 567 )
       _____
         3700
     -   3402           ( 6 x 567 )
         _____
```
Remainder -->   298

Divide, Multiply, Subtract, Bring down, Repeat

Divide 567 into 937 (= 1)
Multiply 1 times 567 (= 567)
Subtract 567 from 937 (= 370)
Bring down the 0

Divide 567 into 3700 (= 6)
Multiply 6 times 567 (= 3402)
Subtract 3402 from 3700 (= 298)
Done. No more numbers to bring down.

(2)

```
               2 R396
       _____
681 |  1758
     -  1362            ( 2 x 681 )
       _____
```
Remainder -->   396

Divide, Multiply, Subtract, Bring down, Repeat

Divide 681 into 1758 (= 2)
Multiply 2 times 681 (= 1362)
Subtract 1362 from 1758 (= 396)
Done. No more numbers to bring down.

(3)

```
              13 R191
       _____
395 |  5326
     -   395            ( 1 x 395 )
       _____
         1376
     -   1185           ( 3 x 395 )
         _____
```
Remainder -->   191

Divide, Multiply, Subtract, Bring down, Repeat

Divide 395 into 532 (= 1)
Multiply 1 times 395 (= 395)
Subtract 395 from 532 (= 137)
Bring down the 6

Divide 395 into 1376 (= 3)
Multiply 3 times 395 (= 1185)
Subtract 1185 from 1376 (= 191)
Done. No more numbers to bring down.