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)

$$386 \overline{)60374}$$

(2)

$$711 \overline{)74065}$$

(3)

$$798 \overline{)27969}$$

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

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(1)

```
              156 R158
     386 | 60374
         −  386          ( 1 x 386 )
            2177
         −  1930          ( 5 x 386 )
            2474
         −  2316          ( 6 x 386 )
Remainder -->   158
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 386 into 603 (= 1)
Multiply 1 times 386 (= 386)
Subtract 386 from 603 (= 217)
Bring down the 7

Divide 386 into 2177 (= 5)
Multiply 5 times 386 (= 1930)
Subtract 1930 from 2177 (= 247)
Bring down the 4

Divide 386 into 2474 (= 6)
Multiply 6 times 386 (= 2316)
Subtract 2316 from 2474 (= 158)
Done. No more numbers to bring down.

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(2)

```
              104 R121
     711 | 74065
         −  711          ( 1 x 711 )
            296
         −    0          ( 0 x 711 )
            2965
         −  2844          ( 4 x 711 )
Remainder -->   121
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 711 into 740 (= 1)
Multiply 1 times 711 (= 711)
Subtract 711 from 740 (= 29)
Bring down the 6

Divide 711 into 296 (= 0)
Multiply 0 times 711 (= 0)
Subtract 0 from 296 (= 296)
Bring down the 5

Divide 711 into 2965 (= 4)
Multiply 4 times 711 (= 2844)
Subtract 2844 from 2965 (= 121)
Done. No more numbers to bring down.

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(3)

```
              35 R39
     798 | 27969
         −  2394          ( 3 x 798 )
            4029
         −  3990          ( 5 x 798 )
Remainder -->   39
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 798 into 2796 (= 3)
Multiply 3 times 798 (= 2394)
Subtract 2394 from 2796 (= 402)
Bring down the 9

Divide 798 into 4029 (= 5)
Multiply 5 times 798 (= 3990)
Subtract 3990 from 4029 (= 39)
Done. No more numbers to bring down.