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)

$$43 \overline{)745}$$

(2)

$$60 \overline{)608}$$

(3)

$$10 \overline{)115}$$

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

(1)

```
        17 R14
   43 | 745
      -  43          ( 1 x 43 )
         315
      -  301         ( 7 x 43 )
Remainder -->  14
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 43 into 74 (= 1)
Multiply 1 times 43 (= 43)
Subtract 43 from 74 (= 31)
Bring down the 5

Divide 43 into 315 (= 7)
Multiply 7 times 43 (= 301)
Subtract 301 from 315 (= 14)
Done. No more numbers to bring down.

(2)

```
        10 R8
   60 | 608
      -  60          ( 1 x 60 )
         08
      -   0          ( 0 x 60 )
Remainder -->   8
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 60 into 60 (= 1)
Multiply 1 times 60 (= 60)
Subtract 60 from 60 (= 0)
Bring down the 8

Divide 60 into 08 (= 0)
Multiply 0 times 60 (= 0)
Subtract 0 from 08 (= 8)
Done. No more numbers to bring down.

(3)

```
        11 R5
   10 | 115
      -  10          ( 1 x 10 )
         15
      -  10          ( 1 x 10 )
Remainder -->   5
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 10 into 11 (= 1)
Multiply 1 times 10 (= 10)
Subtract 10 from 11 (= 1)
Bring down the 5

Divide 10 into 15 (= 1)
Multiply 1 times 10 (= 10)
Subtract 10 from 15 (= 5)
Done. No more numbers to bring down.