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)

$9\overline{)616}$

(2)

$7\overline{)818}$

(3)

$6\overline{)233}$

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

(1)

```
     68 R4
   ------
 9 | 616
   - 54        ( 6 x 9 )
   ----
      76
    - 72       ( 8 x 9 )
    ----
Remainder -->  4
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 9 into 61 (= 6)
Multiply 6 times 9 (= 54)
Subtract 54 from 61 (= 7)
Bring down the 6

Divide 9 into 76 (= 8)
Multiply 8 times 9 (= 72)
Subtract 72 from 76 (= 4)
Done. No more numbers to bring down.

(2)

```
     116 R6
   -------
 7 | 818
   - 7         ( 1 x 7 )
   ---
     11
   - 7         ( 1 x 7 )
   ---
      48
    - 42       ( 6 x 7 )
    ----
Remainder -->  6
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7 into 8 (= 1)
Multiply 1 times 7 (= 7)
Subtract 7 from 8 (= 1)
Bring down the 1

Divide 7 into 11 (= 1)
Multiply 1 times 7 (= 7)
Subtract 7 from 11 (= 4)
Bring down the 8

Divide 7 into 48 (= 6)
Multiply 6 times 7 (= 42)
Subtract 42 from 48 (= 6)
Done. No more numbers to bring down.

(3)

```
     38 R5
   ------
 6 | 233
   - 18        ( 3 x 6 )
   ----
      53
    - 48       ( 8 x 6 )
    ----
Remainder -->  5
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6 into 23 (= 3)
Multiply 3 times 6 (= 18)
Subtract 18 from 23 (= 5)
Bring down the 3

Divide 6 into 53 (= 8)
Multiply 8 times 6 (= 48)
Subtract 48 from 53 (= 5)
Done. No more numbers to bring down.