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)

207 | 42618

(2)

615 | 79012

(3)

864 | 97571

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

(1)

```
            205 R183
207 | 42618
    -  414          ( 2 x 207 )
       121
    -    0          ( 0 x 207 )
      1218
    - 1035          ( 5 x 207 )
```
Remainder -->   183

Divide, Multiply, Subtract, Bring down, Repeat

Divide 207 into 426 (= 2)
Multiply 2 times 207 (= 414)
Subtract 414 from 426 (= 12)
Bring down the 1

Divide 207 into 121 (= 0)
Multiply 0 times 207 (= 0)
Subtract 0 from 121 (= 121)
Bring down the 8

Divide 207 into 1218 (= 5)
Multiply 5 times 207 (= 1035)
Subtract 1035 from 1218 (= 183)
Done. No more numbers to bring down.

(2)

```
            128 R292
615 | 79012
    -  615          ( 1 x 615 )
      1751
    - 1230          ( 2 x 615 )
      5212
    - 4920          ( 8 x 615 )
```
Remainder -->   292

Divide, Multiply, Subtract, Bring down, Repeat

Divide 615 into 790 (= 1)
Multiply 1 times 615 (= 615)
Subtract 615 from 790 (= 175)
Bring down the 1

Divide 615 into 1751 (= 2)
Multiply 2 times 615 (= 1230)
Subtract 1230 from 1751 (= 521)
Bring down the 2

Divide 615 into 5212 (= 8)
Multiply 8 times 615 (= 4920)
Subtract 4920 from 5212 (= 292)
Done. No more numbers to bring down.

(3)

```
            112 R803
864 | 97571
    -  864          ( 1 x 864 )
      1117
    -  864          ( 1 x 864 )
      2531
    - 1728          ( 2 x 864 )
```
Remainder -->   803

Divide, Multiply, Subtract, Bring down, Repeat

Divide 864 into 975 (= 1)
Multiply 1 times 864 (= 864)
Subtract 864 from 975 (= 111)
Bring down the 7

Divide 864 into 1117 (= 1)
Multiply 1 times 864 (= 864)
Subtract 864 from 1117 (= 253)
Bring down the 1

Divide 864 into 2531 (= 2)
Multiply 2 times 864 (= 1728)
Subtract 1728 from 2531 (= 803)
Done. No more numbers to bring down.