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)

570 | 21285

(2)

991 | 35205

(3)

525 | 91021

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

(1)

```
       37 R195
570 | 21285
    - 1710        ( 3 x 570 )
       4185
     - 3990       ( 7 x 570 )
Remainder -->  195
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 570 into 2128 (= 3)
Multiply 3 times 570 (= 1710)
Subtract 1710 from 2128 (= 418)
Bring down the 5

Divide 570 into 4185 (= 7)
Multiply 7 times 570 (= 3990)
Subtract 3990 from 4185 (= 195)
Done. No more numbers to bring down.

(2)

```
       35 R520
991 | 35205
    - 2973        ( 3 x 991 )
       5475
     - 4955       ( 5 x 991 )
Remainder -->  520
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 991 into 3520 (= 3)
Multiply 3 times 991 (= 2973)
Subtract 2973 from 3520 (= 547)
Bring down the 5

Divide 991 into 5475 (= 5)
Multiply 5 times 991 (= 4955)
Subtract 4955 from 5475 (= 520)
Done. No more numbers to bring down.

(3)

```
       173 R196
525 | 91021
    - 525         ( 1 x 525 )
      3852
    - 3675        ( 7 x 525 )
       1771
     - 1575       ( 3 x 525 )
Remainder -->  196
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 525 into 910 (= 1)
Multiply 1 times 525 (= 525)
Subtract 525 from 910 (= 385)
Bring down the 2

Divide 525 into 3852 (= 7)
Multiply 7 times 525 (= 3675)
Subtract 3675 from 3852 (= 177)
Bring down the 1

Divide 525 into 1771 (= 3)
Multiply 3 times 525 (= 1575)
Subtract 1575 from 1771 (= 196)
Done. No more numbers to bring down.