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)

$$238 \overline{)7034}$$

(2)

$$410 \overline{)7521}$$

(3)

$$666 \overline{)6669}$$

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

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

---

(1)

```
          29  R132
 238 | 7034
    -  476          ( 2 x 238 )
       2274
    -  2142         ( 9 x 238 )
```
Remainder -->   132

Divide, Multiply, Subtract, Bring down, Repeat

Divide 238 into 703 (= 2)
Multiply 2 times 238 (= 476)
Subtract 476 from 703 (= 227)
Bring down the 4

Divide 238 into 2274 (= 9)
Multiply 9 times 238 (= 2142)
Subtract 2142 from 2274 (= 132)
Done. No more numbers to bring down.

---

(2)

```
          18  R141
 410 | 7521
    -  410          ( 1 x 410 )
       3421
    -  3280         ( 8 x 410 )
```
Remainder -->   141

Divide, Multiply, Subtract, Bring down, Repeat

Divide 410 into 752 (= 1)
Multiply 1 times 410 (= 410)
Subtract 410 from 752 (= 342)
Bring down the 1

Divide 410 into 3421 (= 8)
Multiply 8 times 410 (= 3280)
Subtract 3280 from 3421 (= 141)
Done. No more numbers to bring down.

---

(3)

```
          10  R9
 666 | 6669
    -  666          ( 1 x 666 )
        09
    -    0          ( 0 x 666 )
```
Remainder -->   9

Divide, Multiply, Subtract, Bring down, Repeat

Divide 666 into 666 (= 1)
Multiply 1 times 666 (= 666)
Subtract 666 from 666 (= 0)
Bring down the 9

Divide 666 into 09 (= 0)
Multiply 0 times 666 (= 0)
Subtract 0 from 09 (= 9)
Done. No more numbers to bring down.