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)

$$227\overline{)8408}$$

(2)

$$782\overline{)1255}$$

(3)

$$646\overline{)6956}$$

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)

```
      37 R9
227 | 8408
    - 681        ( 3 x 227 )
      1598
    - 1589       ( 7 x 227 )
      9
```

Remainder --> 9

Divide, Multiply, Subtract, Bring down, Repeat

Divide 227 into 840 (= 3)
Multiply 3 times 227 (= 681)
Subtract 681 from 840 (= 159)
Bring down the 8

Divide 227 into 1598 (= 7)
Multiply 7 times 227 (= 1589)
Subtract 1589 from 1598 (= 9)
Done. No more numbers to bring down.

(2)

```
      1 R473
782 | 1255
    - 782        ( 1 x 782 )
      473
```

Remainder --> 473

Divide, Multiply, Subtract, Bring down, Repeat

Divide 782 into 1255 (= 1)
Multiply 1 times 782 (= 782)
Subtract 782 from 1255 (= 473)
Done. No more numbers to bring down.

(3)

```
      10 R496
646 | 6956
    - 646        ( 1 x 646 )
      496
    - 0          ( 0 x 646 )
      496
```

Remainder --> 496

Divide, Multiply, Subtract, Bring down, Repeat

Divide 646 into 695 (= 1)
Multiply 1 times 646 (= 646)
Subtract 646 from 695 (= 49)
Bring down the 6

Divide 646 into 496 (= 0)
Multiply 0 times 646 (= 0)
Subtract 0 from 496 (= 496)
Done. No more numbers to bring down.