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)

$2\overline{)92}$

(2)

$9\overline{)11}$

(3)

$7\overline{)26}$

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

(1)

```
      46 R0
   ------
2 | 92
  - 8          ( 4 x 2 )
  ---
    12
  - 12         ( 6 x 2 )
  ---
     0
```

Remainder --> 0

Divide, Multiply, Subtract, Bring down, Repeat

Divide 2 into 9 (= 4)
Multiply 4 times 2 (= 8)
Subtract 8 from 9 (= 1)
Bring down the 2

Divide 2 into 12 (= 6)
Multiply 6 times 2 (= 12)
Subtract 12 from 12 (= 0)
Done. No more numbers to bring down.

(2)

```
      1 R2
   ------
9 | 11
  - 9          ( 1 x 9 )
  ---
    2
```

Remainder --> 2

Divide, Multiply, Subtract, Bring down, Repeat

Divide 9 into 11 (= 1)
Multiply 1 times 9 (= 9)
Subtract 9 from 11 (= 2)
Done. No more numbers to bring down.

(3)

```
      3 R5
   ------
7 | 26
  - 21         ( 3 x 7 )
  ---
    5
```

Remainder --> 5

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7 into 26 (= 3)
Multiply 3 times 7 (= 21)
Subtract 21 from 26 (= 5)
Done. No more numbers to bring down.