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)

$4\overline{)11}$

(2)

$3\overline{)14}$

(3)

$8\overline{)32}$

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

(1)

```
     2 R3
   ------
4 | 11
  - 8        ( 2 x 4 )
  ---
    3
```

Remainder --> 3

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 11 (= 2)
Multiply 2 times 4 (= 8)
Subtract 8 from 11 (= 3)
Done. No more numbers to bring down.

(2)

```
     4 R2
   ------
3 | 14
  - 12       ( 4 x 3 )
  ---
    2
```

Remainder --> 2

Divide, Multiply, Subtract, Bring down, Repeat

Divide 3 into 14 (= 4)
Multiply 4 times 3 (= 12)
Subtract 12 from 14 (= 2)
Done. No more numbers to bring down.

(3)

```
     4 R0
   ------
8 | 32
  - 32       ( 4 x 8 )
  ---
    0
```

Remainder --> 0

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8 into 32 (= 4)
Multiply 4 times 8 (= 32)
Subtract 32 from 32 (= 0)
Done. No more numbers to bring down.