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)

$$9\overline{)36}$$

(2)

$$9\overline{)32}$$

(3)

$$4\overline{)44}$$

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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)
```
        4  R0
    _____
9 │ 36
  −  36          ( 4 x 9 )
     ____
```
Remainder -->　0

Divide, Multiply, Subtract, Bring down, Repeat

Divide 9 into 36 (= 4)
Multiply 4 times 9 (= 36)
Subtract 36 from 36 (= 0)
Done. No more numbers to bring down.

(2)
```
        3  R5
    _____
9 │ 32
  −  27          ( 3 x 9 )
     ____
```
Remainder -->　5

Divide, Multiply, Subtract, Bring down, Repeat

Divide 9 into 32 (= 3)
Multiply 3 times 9 (= 27)
Subtract 27 from 32 (= 5)
Done. No more numbers to bring down.

(3)
```
       11  R0
    _____
4 │ 44
  −  4           ( 1 x 4 )
     ____
      04
  −   4          ( 1 x 4 )
     ____
```
Remainder -->　0

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 4 (= 1)
Multiply 1 times 4 (= 4)
Subtract 4 from 4 (= 0)
Bring down the 4

Divide 4 into 04 (= 1)
Multiply 1 times 4 (= 4)
Subtract 4 from 04 (= 0)
Done. No more numbers to bring down.