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)

$$3\overline{)65}$$

(2)

$$8\overline{)69}$$

(3)

$$8\overline{)47}$$

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

(1)
```
        21  R2
    3 | 65
      -  6          ( 2 x 3 )
         05
       -  3          ( 1 x 3 )
```
Remainder -->   2

Divide, Multiply, Subtract, Bring down, Repeat

Divide 3 into 6 (= 2)
Multiply 2 times 3 (= 6)
Subtract 6 from 6 (= 0)
Bring down the 5

Divide 3 into 05 (= 1)
Multiply 1 times 3 (= 3)
Subtract 3 from 05 (= 2)
Done. No more numbers to bring down.

(2)
```
        8  R5
    8 | 69
      -  64          ( 8 x 8 )
```
Remainder -->   5

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8 into 69 (= 8)
Multiply 8 times 8 (= 64)
Subtract 64 from 69 (= 5)
Done. No more numbers to bring down.

(3)
```
        5  R7
    8 | 47
      -  40          ( 5 x 8 )
```
Remainder -->   7

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8 into 47 (= 5)
Multiply 5 times 8 (= 40)
Subtract 40 from 47 (= 7)
Done. No more numbers to bring down.