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)

65) 774

(2)

89) 847

(3)

43) 198

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

(1)

```
          11 R59
       _____
   65 | 774
      -  65              ( 1 x 65 )
       _____
         124
      -   65             ( 1 x 65 )
       _____
Remainder -->   59
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 65 into 77 (= 1)
Multiply 1 times 65 (= 65)
Subtract 65 from 77 (= 12)
Bring down the 4

Divide 65 into 124 (= 1)
Multiply 1 times 65 (= 65)
Subtract 65 from 124 (= 59)
Done. No more numbers to bring down.

(2)

```
           9 R46
       _____
   89 | 847
      -  801             ( 9 x 89 )
       _____
Remainder -->   46
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 89 into 847 (= 9)
Multiply 9 times 89 (= 801)
Subtract 801 from 847 (= 46)
Done. No more numbers to bring down.

(3)

```
           4 R26
       _____
   43 | 198
      -  172             ( 4 x 43 )
       _____
Remainder -->   26
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 43 into 198 (= 4)
Multiply 4 times 43 (= 172)
Subtract 172 from 198 (= 26)
Done. No more numbers to bring down.