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)

273 | 2080

(2)

845 | 8370

(3)

511 | 2181

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

(1)

```
           7 R169
273 | 2080
    -  1911          ( 7 x 273 )
Remainder -->  169
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 273 into 2080 (= 7)
Multiply 7 times 273 (= 1911)
Subtract 1911 from 2080 (= 169)
Done. No more numbers to bring down.

(2)

```
           9 R765
845 | 8370
    -  7605          ( 9 x 845 )
Remainder -->  765
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 845 into 8370 (= 9)
Multiply 9 times 845 (= 7605)
Subtract 7605 from 8370 (= 765)
Done. No more numbers to bring down.

(3)

```
           4 R137
511 | 2181
    -  2044          ( 4 x 511 )
Remainder -->  137
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 511 into 2181 (= 4)
Multiply 4 times 511 (= 2044)
Subtract 2044 from 2181 (= 137)
Done. No more numbers to bring down.