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)

$$239 \overline{)1843}$$

(2)

$$522 \overline{)6784}$$

(3)

$$851 \overline{)3950}$$

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

(1)

```
          7 R170
    239 | 1843
        - 1673      ( 7 x 239 )
          ----
Remainder -->  170
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 239 into 1843 (= 7)
Multiply 7 times 239 (= 1673)
Subtract 1673 from 1843 (= 170)
Done. No more numbers to bring down.

(2)

```
         12 R520
    522 | 6784
        -  522      ( 1 x 522 )
          ----
          1564
        - 1044      ( 2 x 522 )
          ----
Remainder -->  520
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 522 into 678 (= 1)
Multiply 1 times 522 (= 522)
Subtract 522 from 678 (= 156)
Bring down the 4

Divide 522 into 1564 (= 2)
Multiply 2 times 522 (= 1044)
Subtract 1044 from 1564 (= 520)
Done. No more numbers to bring down.

(3)

```
          4 R546
    851 | 3950
        - 3404      ( 4 x 851 )
          ----
Remainder -->  546
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 851 into 3950 (= 4)
Multiply 4 times 851 (= 3404)
Subtract 3404 from 3950 (= 546)
Done. No more numbers to bring down.