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)

$$845 \overline{)6010}$$

(2)

$$386 \overline{)7299}$$

(3)

$$778 \overline{)5177}$$

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

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

(1)

```
          7 R95
    845 | 6010
        - 5915      ( 7 x 845 )
          ----
Remainder -->  95
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 845 into 6010 (= 7)
Multiply 7 times 845 (= 5915)
Subtract 5915 from 6010 (= 95)
Done. No more numbers to bring down.

(2)

```
          18 R351
    386 | 7299
        -  386      ( 1 x 386 )
           ----
           3439
        - 3088      ( 8 x 386 )
          ----
Remainder -->  351
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 386 into 729 (= 1)
Multiply 1 times 386 (= 386)
Subtract 386 from 729 (= 343)
Bring down the 9

Divide 386 into 3439 (= 8)
Multiply 8 times 386 (= 3088)
Subtract 3088 from 3439 (= 351)
Done. No more numbers to bring down.

(3)

```
          6 R509
    778 | 5177
        - 4668      ( 6 x 778 )
          ----
Remainder -->  509
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 778 into 5177 (= 6)
Multiply 6 times 778 (= 4668)
Subtract 4668 from 5177 (= 509)
Done. No more numbers to bring down.