Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$14 \overline{)\,937144314}$

(2)

$80 \overline{)\,291335050}$

(3)

$37 \overline{)\,298165864}$

(4)

$88 \overline{)\,251855783}$

(5)

$32 \overline{)\,951329661}$

(6)

$64 \overline{)\,115723561}$

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)

```
      66938879 R8
   14 | 937144314
     - 84          ( 6 x 14 )
       97
     - 84          ( 6 x 14 )
       131
     - 126         ( 9 x 14 )
         54
     -  42         ( 3 x 14 )
        124
     - 112         ( 8 x 14 )
         123
     - 112         ( 8 x 14 )
          111
     -  98         ( 7 x 14 )
          134
     - 126         ( 9 x 14 )
            8
```

Remainder --> 8

(2)

```
      3641688 R10
   80 | 291335050
     - 240         ( 3 x 80 )
       513
     - 480         ( 6 x 80 )
       333
     - 320         ( 4 x 80 )
       135
     -  80         ( 1 x 80 )
       550
     - 480         ( 6 x 80 )
       705
     - 640         ( 8 x 80 )
       650
     - 640         ( 8 x 80 )
        10
```

Remainder --> 10

(3)

```
      8058536 R32
   37 | 298165864
     - 296         ( 8 x 37 )
        21
     -  0          ( 0 x 37 )
       216
     - 185         ( 5 x 37 )
        315
     - 296         ( 8 x 37 )
         198
     - 185         ( 5 x 37 )
         136
     - 111         ( 3 x 37 )
          254
     - 222         ( 6 x 37 )
           32
```

Remainder --> 32

(4)

```
      2861997 R47
   88 | 251855783
     - 176         ( 2 x 88 )
       758
     - 704         ( 8 x 88 )
       545
     - 528         ( 6 x 88 )
         175
     -  88         ( 1 x 88 )
         877
     - 792         ( 9 x 88 )
          858
     - 792         ( 9 x 88 )
          663
     - 616         ( 7 x 88 )
           47
```

Remainder --> 47

(5)

```
      29729051 R29
   32 | 951329661
     - 64          ( 2 x 32 )
       311
     - 288         ( 9 x 32 )
       233
     - 224         ( 7 x 32 )
         92
     -  64         ( 2 x 32 )
         289
     - 288         ( 9 x 32 )
          16
     -   0         ( 0 x 32 )
          166
     - 160         ( 5 x 32 )
           61
     -  32         ( 1 x 32 )
           29
```

Remainder --> 29

(6)

```
      1808180 R41
   64 | 115723561
     - 64          ( 1 x 64 )
       517
     - 512         ( 8 x 64 )
        52
     -  0          ( 0 x 64 )
       523
     - 512         ( 8 x 64 )
        115
     -  64         ( 1 x 64 )
         516
     - 512         ( 8 x 64 )
          41
     -   0         ( 0 x 64 )
          41
```

Remainder --> 41