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

(1)

$37 \overline{)\,920167386}$

(2)

$46 \overline{)\,308287342}$

(3)

$29 \overline{)\,696776503}$

(4)

$23 \overline{)\,222415537}$

(5)

$40 \overline{)\,355711249}$

(6)

$36 \overline{)\,917864300}$

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)

```
      24869388 R30
37 | 920167386
   - 74          ( 2 x 37 )
     180
   - 148         ( 4 x 37 )
     321
   - 296         ( 8 x 37 )
      256
   - 222         ( 6 x 37 )
      347
   - 333         ( 9 x 37 )
      143
   - 111         ( 3 x 37 )
      328
   - 296         ( 8 x 37 )
      326
   - 296         ( 8 x 37 )
       30
```

Remainder --> 30

(2)

```
      6701898 R34
46 | 308287342
   - 276         ( 6 x 46 )
     322
   - 322         ( 7 x 46 )
      08
   - 0           ( 0 x 46 )
      87
   - 46          ( 1 x 46 )
      413
   - 368         ( 8 x 46 )
       454
   - 414         ( 9 x 46 )
       402
   - 368         ( 8 x 46 )
        34
```

Remainder --> 34

(3)

```
      24026775 R28
29 | 696776503
   - 58          ( 2 x 29 )
     116
   - 116         ( 4 x 29 )
      07
   - 0           ( 0 x 29 )
      77
   - 58          ( 2 x 29 )
      196
   - 174         ( 6 x 29 )
       225
   - 203         ( 7 x 29 )
       220
   - 203         ( 7 x 29 )
        173
   - 145         ( 5 x 29 )
        28
```

Remainder --> 28

(4)

```
      9670240 R17
23 | 222415537
   - 207         ( 9 x 23 )
     154
   - 138         ( 6 x 23 )
      161
   - 161         ( 7 x 23 )
       05
   - 0           ( 0 x 23 )
       55
   - 46          ( 2 x 23 )
       93
   - 92          ( 4 x 23 )
        17
   - 0           ( 0 x 23 )
        17
```

Remainder --> 17

(5)

```
      8892781 R9
40 | 355711249
   - 320         ( 8 x 40 )
     357
   - 320         ( 8 x 40 )
      371
   - 360         ( 9 x 40 )
      111
   - 80          ( 2 x 40 )
      312
   - 280         ( 7 x 40 )
       324
   - 320         ( 8 x 40 )
        49
   - 40          ( 1 x 40 )
         9
```

Remainder --> 9

(6)

```
      25496230 R20
36 | 917864300
   - 72          ( 2 x 36 )
     197
   - 180         ( 5 x 36 )
      178
   - 144         ( 4 x 36 )
       346
   - 324         ( 9 x 36 )
       224
   - 216         ( 6 x 36 )
        83
   - 72          ( 2 x 36 )
        110
   - 108         ( 3 x 36 )
         20
   - 0           ( 0 x 36 )
         20
```

Remainder --> 20