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

(1)

$82\overline{)5357813}$

(2)

$55\overline{)6731506}$

(3)

$52\overline{)2190618}$

(4)

$67\overline{)9658134}$

(5)

$60\overline{)9254199}$

(6)

$90\overline{)3111786}$

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)

```
      65339 R15
  82 | 5357813
     - 492          ( 6 x 82 )
       437
     - 410          ( 5 x 82 )
       278
     - 246          ( 3 x 82 )
       321
     - 246          ( 3 x 82 )
       753
     - 738          ( 9 x 82 )
        15
```

Remainder --> 15

(2)

```
     122391 R1
  55 | 6731506
     - 55           ( 1 x 55 )
       123
     - 110          ( 2 x 55 )
       131
     - 110          ( 2 x 55 )
       215
     - 165          ( 3 x 55 )
        500
     - 495          ( 9 x 55 )
         56
     - 55           ( 1 x 55 )
          1
```

Remainder --> 1

(3)

```
      42127 R14
  52 | 2190618
     - 208          ( 4 x 52 )
       110
     - 104          ( 2 x 52 )
        66
     - 52           ( 1 x 52 )
       141
     - 104          ( 2 x 52 )
       378
     - 364          ( 7 x 52 )
        14
```

Remainder --> 14

(4)

```
     144151 R17
  67 | 9658134
     - 67           ( 1 x 67 )
       295
     - 268          ( 4 x 67 )
        278
     - 268          ( 4 x 67 )
        101
     - 67           ( 1 x 67 )
        343
     - 335          ( 5 x 67 )
         84
     - 67           ( 1 x 67 )
         17
```

Remainder --> 17

(5)

```
     154236 R39
  60 | 9254199
     - 60           ( 1 x 60 )
       325
     - 300          ( 5 x 60 )
        254
     - 240          ( 4 x 60 )
        141
     - 120          ( 2 x 60 )
        219
     - 180          ( 3 x 60 )
         399
     - 360          ( 6 x 60 )
          39
```

Remainder --> 39

(6)

```
      34575 R36
  90 | 3111786
     - 270          ( 3 x 90 )
       411
     - 360          ( 4 x 90 )
        517
     - 450          ( 5 x 90 )
        678
     - 630          ( 7 x 90 )
         486
     - 450          ( 5 x 90 )
          36
```

Remainder --> 36