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

(1)

$86\overline{)902825189}$

(2)

$77\overline{)619556062}$

(3)

$30\overline{)287657854}$

(4)

$63\overline{)870513735}$

(5)

$96\overline{)482922023}$

(6)

$92\overline{)481230273}$

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)

```
      10497967 R27
  86 | 902825189
     - 86          ( 1 x 86 )
       42
     - 0           ( 0 x 86 )
       428
     - 344         ( 4 x 86 )
       842
     - 774         ( 9 x 86 )
       685
     - 602         ( 7 x 86 )
       831
     - 774         ( 9 x 86 )
       578
     - 516         ( 6 x 86 )
       629
     - 602         ( 7 x 86 )
        27
```

Remainder --> 27

(2)

```
      8046182 R48
  77 | 619556062
     - 616         ( 8 x 77 )
       35
     - 0           ( 0 x 77 )
       355
     - 308         ( 4 x 77 )
       476
     - 462         ( 6 x 77 )
       140
     - 77          ( 1 x 77 )
       636
     - 616         ( 8 x 77 )
       202
     - 154         ( 2 x 77 )
        48
```

Remainder --> 48

(3)

```
      9588595 R4
  30 | 287657854
     - 270         ( 9 x 30 )
       176
     - 150         ( 5 x 30 )
       265
     - 240         ( 8 x 30 )
       257
     - 240         ( 8 x 30 )
       178
     - 150         ( 5 x 30 )
       285
     - 270         ( 9 x 30 )
       154
     - 150         ( 5 x 30 )
         4
```

Remainder --> 4

(4)

```
      13817678 R21
  63 | 870513735
     - 63          ( 1 x 63 )
       240
     - 189         ( 3 x 63 )
       515
     - 504         ( 8 x 63 )
       111
     - 63          ( 1 x 63 )
       483
     - 441         ( 7 x 63 )
       427
     - 378         ( 6 x 63 )
       493
     - 441         ( 7 x 63 )
       525
     - 504         ( 8 x 63 )
        21
```

Remainder --> 21

(5)

```
      5030437 R71
  96 | 482922023
     - 480         ( 5 x 96 )
       29
     - 0           ( 0 x 96 )
       292
     - 288         ( 3 x 96 )
        42
     - 0           ( 0 x 96 )
       420
     - 384         ( 4 x 96 )
       362
     - 288         ( 3 x 96 )
       743
     - 672         ( 7 x 96 )
        71
```

Remainder --> 71

(6)

```
      5230763 R77
  92 | 481230273
     - 460         ( 5 x 92 )
       212
     - 184         ( 2 x 92 )
       283
     - 276         ( 3 x 92 )
        70
     - 0           ( 0 x 92 )
       702
     - 644         ( 7 x 92 )
       587
     - 552         ( 6 x 92 )
       353
     - 276         ( 3 x 92 )
        77
```

Remainder --> 77