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

(1) $8\overline{)2485912}$

(2) $2\overline{)9099251}$

(3) $5\overline{)6663754}$

(4) $3\overline{)2106323}$

(5) $8\overline{)2958729}$

(6) $8\overline{)9759250}$

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)

```
      310739 R0
   8 | 2485912
     - 24          (3x8)
       08
     - 8           (1x8)
       05
     - 0           (0x8)
       59
     - 56          (7x8)
       31
     - 24          (3x8)
        72
     - 72          (9x8)
         0
```

Remainder --> 0

(2)

```
     4549625 R1
   2 | 9099251
     - 8           (4x2)
       10
     - 10          (5x2)
       09
     - 8           (4x2)
       19
     - 18          (9x2)
       12
     - 12          (6x2)
        05
     - 4           (2x2)
        11
     - 10          (5x2)
         1
```

Remainder --> 1

(3)

```
     1332750 R4
   5 | 6663754
     - 5           (1x5)
       16
     - 15          (3x5)
       16
     - 15          (3x5)
       13
     - 10          (2x5)
       37
     - 35          (7x5)
        25
     - 25          (5x5)
         04
     - 0           (0x5)
         4
```

Remainder --> 4

(4)

```
      702107 R2
   3 | 2106323
     - 21          (7x3)
       00
     - 0           (0x3)
       06
     - 6           (2x3)
        03
     - 3           (1x3)
         02
     - 0           (0x3)
         23
     - 21          (7x3)
          2
```

Remainder --> 2

(5)

```
     369841 R1
   8 | 2958729
     - 24          (3x8)
       55
     - 48          (6x8)
       78
     - 72          (9x8)
        67
     - 64          (8x8)
        32
     - 32          (4x8)
         09
     - 8           (1x8)
         1
```

Remainder --> 1

(6)

```
     1219906 R2
   8 | 9759250
     - 8           (1x8)
       17
     - 16          (2x8)
        15
     - 8           (1x8)
        79
     - 72          (9x8)
         72
     - 72          (9x8)
          05
     - 0           (0x8)
          50
     - 48          (6x8)
           2
```

Remainder --> 2