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

(1)

$8 \overline{)9176243}$

(2)

$8 \overline{)1936783}$

(3)

$8 \overline{)8812485}$

(4)

$5 \overline{)9656993}$

(5)

$8 \overline{)2679493}$

(6)

$7 \overline{)2381635}$

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)

```
   1147030 R3
8 | 9176243
  - 8          (1x8)
    11
  - 8          (1x8)
    37
  - 32         (4x8)
     56
  - 56         (7x8)
      02
    - 0        (0x8)
      24
    - 24       (3x8)
       03
     - 0       (0x8)
       3
```

Remainder --> 3

(2)

```
   242097 R7
8 | 1936783
  - 16         (2x8)
    33
  - 32         (4x8)
     16
  - 16         (2x8)
      07
    - 0        (0x8)
      78
    - 72       (9x8)
       63
     - 56      (7x8)
       7
```

Remainder --> 7

(3)

```
   1101560 R5
8 | 8812485
  - 8          (1x8)
    08
  - 8          (1x8)
    01
  - 0          (0x8)
     12
  - 8          (1x8)
      44
    - 40       (5x8)
       48
     - 48      (6x8)
       05
     - 0       (0x8)
       5
```

Remainder --> 5

(4)

```
   1931398 R3
5 | 9656993
  - 5          (1x5)
    46
  - 45         (9x5)
     15
  - 15         (3x5)
      06
    - 5        (1x5)
      19
    - 15       (3x5)
       49
     - 45      (9x5)
       43
     - 40      (8x5)
       3
```

Remainder --> 3

(5)

```
   334936 R5
8 | 2679493
  - 24         (3x8)
    27
  - 24         (3x8)
     39
  - 32         (4x8)
      74
    - 72       (9x8)
       29
     - 24      (3x8)
       53
     - 48      (6x8)
       5
```

Remainder --> 5

(6)

```
   340233 R4
7 | 2381635
  - 21         (3x7)
    28
  - 28         (4x7)
     01
  - 0          (0x7)
     16
  - 14         (2x7)
      23
    - 21       (3x7)
       25
     - 21      (3x7)
       4
```

Remainder --> 4