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

(1) $4 \overline{)959966144}$	(2) $6 \overline{)601851502}$	(3) $6 \overline{)266741643}$
(4) $4 \overline{)124774037}$	(5) $7 \overline{)692906531}$	(6) $5 \overline{)237653049}$

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)

```
   239991536 R0
4 | 959966144
  - 8          (2x4)
    15
  - 12         (3x4)
     39
   - 36        (9x4)
      39
    - 36       (9x4)
       36
     - 36      (9x4)
        06
      - 4      (1x4)
         21
       - 20    (5x4)
          14
        - 12   (3x4)
           24
         - 24  (6x4)
           0
```

Remainder -->

(2)

```
   100308583 R4
6 | 601851502
  - 6          (1x6)
    00
  - 0          (0x6)
     01
   - 0         (0x6)
      18
    - 18       (3x6)
       05
     - 0       (0x6)
        51
      - 48     (8x6)
         35
       - 30    (5x6)
          50
        - 48   (8x6)
           22
         - 18  (3x6)
           4
```

Remainder -->

(3)

```
   44456940 R3
6 | 266741643
  - 24         (4x6)
    26
  - 24         (4x6)
     27
   - 24        (4x6)
      34
    - 30       (5x6)
       41
     - 36      (6x6)
        56
      - 54     (9x6)
         24
       - 24    (4x6)
          03
        - 0    (0x6)
          3
```

Remainder -->

(4)

```
   31193509 R1
4 | 124774037
  - 12         (3x4)
    04
  - 4          (1x4)
     07
   - 4         (1x4)
      37
    - 36       (9x4)
       14
     - 12      (3x4)
        20
      - 20     (5x4)
         03
       - 0     (0x4)
          37
        - 36   (9x4)
           1
```

Remainder -->

(5)

```
   98986647 R2
7 | 692906531
  - 63         (9x7)
    62
  - 56         (8x7)
     69
   - 63        (9x7)
      60
    - 56       (8x7)
       46
     - 42      (6x7)
        45
      - 42     (6x7)
         33
       - 28    (4x7)
          51
        - 49   (7x7)
           2
```

Remainder -->

(6)

```
   47530609 R4
5 | 237653049
  - 20         (4x5)
    37
  - 35         (7x5)
     26
   - 25        (5x5)
      15
    - 15       (3x5)
       03
     - 0       (0x5)
        30
      - 30     (6x5)
         04
       - 0     (0x5)
          49
        - 45   (9x5)
           4
```

Remainder -->