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

(1) $2\overline{)8288073}$	(2) $6\overline{)8138903}$	(3) $9\overline{)7295407}$
(4) $9\overline{)3565029}$	(5) $2\overline{)5027246}$	(6) $7\overline{)4412239}$

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)

```
      4144036 R1
   ┌──────────
 2 │ 8288073
   - 8          (4x2)
     02
   - 2          (1x2)
     08
   - 8          (4x2)
      08
    - 8         (4x2)
      00
    - 0         (0x2)
       07
     - 6        (3x2)
        13
      - 12      (6x2)
         1
```

Remainder --> 1

(2)

```
      1356483 R5
   ┌──────────
 6 │ 8138903
   - 6          (1x6)
     21
   - 18         (3x6)
      33
    - 30        (5x6)
       38
     - 36       (6x6)
        29
      - 24      (4x6)
         50
       - 48     (8x6)
          23
        - 18    (3x6)
           5
```

Remainder --> 5

(3)

```
      810600 R7
   ┌──────────
 9 │ 7295407
   - 72         (8x9)
     09
   - 9          (1x9)
     05
   - 0          (0x9)
      54
    - 54        (6x9)
       00
     - 0        (0x9)
        07
      - 0       (0x9)
         7
```

Remainder --> 7

(4)

```
      396114 R3
   ┌──────────
 9 │ 3565029
   - 27         (3x9)
     86
   - 81         (9x9)
      55
    - 54        (6x9)
       10
     - 9        (1x9)
        12
      - 9       (1x9)
         39
       - 36     (4x9)
          3
```

Remainder --> 3

(5)

```
      2513623 R0
   ┌──────────
 2 │ 5027246
   - 4          (2x2)
     10
   - 10         (5x2)
      02
    - 2         (1x2)
       07
     - 6        (3x2)
        12
      - 12      (6x2)
         04
       - 4      (2x2)
          06
        - 6     (3x2)
           0
```

Remainder --> 0

(6)

```
      630319 R6
   ┌──────────
 7 │ 4412239
   - 42         (6x7)
     21
   - 21         (3x7)
      02
    - 0         (0x7)
       22
     - 21       (3x7)
        13
      - 7       (1x7)
         69
       - 63     (9x7)
          6
```

Remainder --> 6