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

(1) $7\overline{)264212314}$	(2) $7\overline{)297604122}$	(3) $3\overline{)378598121}$
(4) $9\overline{)634359102}$	(5) $9\overline{)829805430}$	(6) $2\overline{)536164435}$

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)

```
        37744616 R2
7 | 264212314
  - 21          (3x7)
    54
  - 49          (7x7)
     52
   - 49         (7x7)
      31
    - 28        (4x7)
      32
    - 28        (4x7)
      43
    - 42        (6x7)
      11
     - 7        (1x7)
       44
     - 42       (6x7)
        2
```

Remainder --> 2

(2)

```
        42514874 R4
7 | 297604122
  - 28          (4x7)
    17
  - 14          (2x7)
     36
   - 35         (5x7)
      10
    - 7         (1x7)
      34
    - 28        (4x7)
      61
    - 56        (8x7)
      52
    - 49        (7x7)
       32
     - 28       (4x7)
        4
```

Remainder --> 4

(3)

```
        126199373 R2
3 | 378598121
  - 3           (1x3)
    07
  - 6           (2x3)
     18
   - 18         (6x3)
      05
    - 3         (1x3)
      29
    - 27        (9x3)
       28
     - 27       (9x3)
        11
      - 9       (3x3)
         22
      - 21      (7x3)
          11
        - 9     (3x3)
          2
```

Remainder --> 2

(4)

```
        70484344 R6
9 | 634359102
  - 63          (7x9)
    04
  - 0           (0x9)
     43
   - 36         (4x9)
      75
    - 72        (8x9)
      39
    - 36        (4x9)
      31
    - 27        (3x9)
      40
    - 36        (4x9)
      42
    - 36        (4x9)
        6
```

Remainder --> 6

(5)

```
        92200603 R3
9 | 829805430
  - 81          (9x9)
    19
  - 18          (2x9)
     18
   - 18         (2x9)
      00
    - 0         (0x9)
      05
    - 0         (0x9)
      54
    - 54        (6x9)
       03
     - 0        (0x9)
       30
     - 27       (3x9)
        3
```

Remainder --> 3

(6)

```
        268082217 R1
2 | 536164435
  - 4           (2x2)
    13
  - 12          (6x2)
     16
   - 16         (8x2)
      01
    - 0         (0x2)
      16
    - 16        (8x2)
       04
     - 4        (2x2)
       04
     - 4        (2x2)
       03
     - 2        (1x2)
        15
      - 14      (7x2)
         1
```

Remainder --> 1