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

(1) $2\overline{)8884726}$	(2) $6\overline{)7505305}$	(3) $7\overline{)5566741}$
(4) $4\overline{)9562976}$	(5) $4\overline{)7758091}$	(6) $9\overline{)5293600}$

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)

```
      4442363 R0
2 | 8884726
  - 8          (4x2)
   08
  - 8          (4x2)
    08
   - 8         (4x2)
     04
    - 4        (2x2)
      07
     - 6       (3x2)
       12
      - 12     (6x2)
        06
       - 6     (3x2)
          0
```

Remainder --> 0

(2)

```
      1250884 R1
6 | 7505305
  - 6          (1x6)
   15
  - 12         (2x6)
    30
   - 30        (5x6)
     05
    - 0        (0x6)
      53
     - 48      (8x6)
       50
      - 48     (8x6)
        25
       - 24    (4x6)
          1
```

Remainder --> 1

(3)

```
      795248 R5
7 | 5566741
  - 49         (7x7)
    66
   - 63        (9x7)
     36
    - 35       (5x7)
      17
     - 14      (2x7)
       34
      - 28     (4x7)
        61
       - 56    (8x7)
          5
```

Remainder --> 5

(4)

```
      2390744 R0
4 | 9562976
  - 8          (2x4)
   15
  - 12         (3x4)
    36
   - 36        (9x4)
     02
    - 0        (0x4)
      29
     - 28      (7x4)
       17
      - 16     (4x4)
        16
       - 16    (4x4)
          0
```

Remainder --> 0

(5)

```
      1939522 R3
4 | 7758091
  - 4          (1x4)
   37
  - 36         (9x4)
    15
   - 12        (3x4)
     38
    - 36       (9x4)
      20
     - 20      (5x4)
       09
      - 8      (2x4)
        11
       - 8     (2x4)
          3
```

Remainder --> 3

(6)

```
      588177 R7
9 | 5293600
  - 45         (5x9)
    79
   - 72        (8x9)
     73
    - 72       (8x9)
      16
     - 9       (1x9)
       70
      - 63     (7x9)
        70
       - 63    (7x9)
          7
```

Remainder --> 7