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

(1) $7 \overline{)338725890}$	(2) $3 \overline{)613725785}$	(3) $4 \overline{)215238651}$
(4) $5 \overline{)535618390}$	(5) $8 \overline{)681649304}$	(6) $8 \overline{)714057207}$

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)

```
      48389412 R6
   7 | 338725890
     - 28          (4x7)
       58
     - 56          (8x7)
       27
     - 21          (3x7)
       62
     - 56          (8x7)
       65
     - 63          (9x7)
       28
     - 28          (4x7)
       09
     -  7          (1x7)
       20
     - 14          (2x7)
        6
```

Remainder --> 6

(2)

```
     204575261 R2
   3 | 613725785
     - 6           (2x3)
       01
     - 0           (0x3)
       13
     - 12          (4x3)
       17
     - 15          (5x3)
       22
     - 21          (7x3)
       15
     - 15          (5x3)
       07
     -  6          (2x3)
       18
     - 18          (6x3)
       05
     -  3          (1x3)
        2
```

Remainder --> 2

(3)

```
      53809662 R3
   4 | 215238651
     - 20          (5x4)
       15
     - 12          (3x4)
       32
     - 32          (8x4)
       03
     -  0          (0x4)
       38
     - 36          (9x4)
       26
     - 24          (6x4)
       25
     - 24          (6x4)
       11
     -  8          (2x4)
        3
```

Remainder --> 3

(4)

```
     107123678 R0
   5 | 535618390
     -  5          (1x5)
       03
     -  0          (0x5)
       35
     - 35          (7x5)
       06
     -  5          (1x5)
       11
     - 10          (2x5)
       18
     - 15          (3x5)
       33
     - 30          (6x5)
       39
     - 35          (7x5)
       40
     - 40          (8x5)
        0
```

Remainder --> 0

(5)

```
      85206163 R0
   8 | 681649304
     - 64          (8x8)
       41
     - 40          (5x8)
       16
     - 16          (2x8)
       04
     -  0          (0x8)
       49
     - 48          (6x8)
       13
     -  8          (1x8)
       50
     - 48          (6x8)
       24
     - 24          (3x8)
        0
```

Remainder --> 0

(6)

```
      89257150 R7
   8 | 714057207
     - 64          (8x8)
       74
     - 72          (9x8)
       20
     - 16          (2x8)
       45
     - 40          (5x8)
       57
     - 56          (7x8)
       12
     -  8          (1x8)
       40
     - 40          (5x8)
       07
     -  0          (0x8)
        7
```

Remainder --> 7