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

(1) $7 \overline{)843777226}$	(2) $7 \overline{)103763527}$	(3) $8 \overline{)207619010}$
(4) $7 \overline{)640168313}$	(5) $3 \overline{)894628369}$	(6) $8 \overline{)581324596}$

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)

```
      120539603 R5
   7 | 843777226
     - 7          (1x7)
       14
     - 14         (2x7)
        03
      - 0         (0x7)
         37
       - 35       (5x7)
          27
        - 21      (3x7)
           67
         - 63     (9x7)
            42
          - 42    (6x7)
             02
           - 0    (0x7)
              26
            - 21  (3x7)
Remainder -->  5
```

(2)

```
      14823361 R0
   7 | 103763527
     - 7          (1x7)
       33
     - 28         (4x7)
        57
      - 56        (8x7)
         16
       - 14       (2x7)
          23
        - 21      (3x7)
           25
         - 21     (3x7)
            42
          - 42    (6x7)
             07
           - 7    (1x7)
Remainder -->  0
```

(3)

```
      25952376 R2
   8 | 207619010
     - 16         (2x8)
       47
     - 40         (5x8)
        76
      - 72        (9x8)
         41
       - 40       (5x8)
          19
        - 16      (2x8)
           30
         - 24     (3x8)
            61
          - 56    (7x8)
             50
           - 48   (6x8)
Remainder -->  2
```

(4)

```
      91452616 R1
   7 | 640168313
     - 63         (9x7)
       10
     - 7          (1x7)
        31
      - 28        (4x7)
         36
       - 35       (5x7)
          18
        - 14      (2x7)
           43
         - 42     (6x7)
            11
          - 7     (1x7)
             43
           - 42   (6x7)
Remainder -->  1
```

(5)

```
      298209456 R1
   3 | 894628369
     - 6          (2x3)
       29
     - 27         (9x3)
        24
      - 24        (8x3)
         06
       - 6        (2x3)
          02
        - 0       (0x3)
           28
         - 27     (9x3)
            13
          - 12    (4x3)
             16
           - 15   (5x3)
              19
            - 18  (6x3)
Remainder -->  1
```

(6)

```
      72665574 R4
   8 | 581324596
     - 56         (7x8)
       21
     - 16         (2x8)
        53
      - 48        (6x8)
         52
       - 48       (6x8)
          44
        - 40      (5x8)
           45
         - 40     (5x8)
            59
          - 56    (7x8)
             36
           - 32   (4x8)
Remainder -->  4
```