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

(1) $8\overline{)496665915}$	(2) $9\overline{)940431895}$	(3) $6\overline{)293680003}$
(4) $7\overline{)173395669}$	(5) $5\overline{)590041947}$	(6) $4\overline{)860519844}$

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)

```
      62083239 R3
   8 | 496665915
     - 48          (6x8)
       16
     - 16          (2x8)
        06
      - 0          (0x8)
        66
      - 64         (8x8)
         25
       - 24        (3x8)
          19
        - 16       (2x8)
           31
         - 24      (3x8)
            75
          - 72     (9x8)
             3
```

Remainder --> 3

(2)

```
     104492432 R7
   9 | 940431895
     - 9           (1x9)
       04
     - 0           (0x9)
        40
      - 36         (4x9)
         44
       - 36        (4x9)
          83
        - 81       (9x9)
           21
         - 18      (2x9)
            38
          - 36     (4x9)
             29
           - 27    (3x9)
              25
            - 18   (2x9)
               7
```

Remainder --> 7

(3)

```
     48946667 R1
   6 | 293680003
     - 24          (4x6)
       53
     - 48          (8x6)
        56
      - 54         (9x6)
         28
       - 24        (4x6)
          40
        - 36       (6x6)
           40
         - 36      (6x6)
            40
          - 36     (6x6)
             43
           - 42    (7x6)
              1
```

Remainder --> 1

(4)

```
      24770809 R6
   7 | 173395669
     - 14          (2x7)
       33
     - 28          (4x7)
        53
      - 49         (7x7)
         49
       - 49        (7x7)
          05
        - 0        (0x7)
           56
         - 56      (8x7)
            06
          - 0      (0x7)
             69
           - 63    (9x7)
              6
```

Remainder --> 6

(5)

```
     118008389 R2
   5 | 590041947
     - 5           (1x5)
       09
     - 5           (1x5)
        40
      - 40         (8x5)
         00
       - 0         (0x5)
          04
        - 0        (0x5)
           41
         - 40      (8x5)
            19
          - 15     (3x5)
             44
           - 40    (8x5)
              47
            - 45   (9x5)
               2
```

Remainder --> 2

(6)

```
     215129961 R0
   4 | 860519844
     - 8           (2x4)
       06
     - 4           (1x4)
        20
      - 20         (5x4)
         05
       - 4         (1x4)
          11
        - 8        (2x4)
           39
         - 36      (9x4)
            38
          - 36     (9x4)
             24
           - 24    (6x4)
              04
            - 4    (1x4)
               0
```

Remainder --> 0