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

(1) $5\overline{)580942100}$	(2) $2\overline{)777436182}$	(3) $4\overline{)254480249}$
(4) $9\overline{)627257534}$	(5) $9\overline{)813423291}$	(6) $8\overline{)440920957}$

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)

```
      116188420 R0
5 | 580942100
  - 5            (1x5)
    08
  - 5            (1x5)
     30
  - 30           (6x5)
       09
     - 5         (1x5)
       44
     - 40        (8x5)
        42
      - 40       (8x5)
         21
       - 20      (4x5)
          10
        - 10     (2x5)
           00
         - 0     (0x5)
Remainder -->      0
```

(2)

```
      388718091 R0
2 | 777436182
  - 6            (3x2)
    17
  - 16           (8x2)
     17
   - 16          (8x2)
      14
    - 14         (7x2)
       03
     - 2         (1x2)
        16
      - 16       (8x2)
         01
       - 0       (0x2)
          18
        - 18     (9x2)
           02
         - 2     (1x2)
Remainder -->      0
```

(3)

```
      63620062 R1
4 | 254480249
  - 24           (6x4)
    14
  - 12           (3x4)
     24
   - 24          (6x4)
      08
    - 8          (2x4)
       00
     - 0         (0x4)
        02
      - 0        (0x4)
         24
       - 24      (6x4)
          09
        - 8      (2x4)
Remainder -->      1
```

(4)

```
      69695281 R5
9 | 627257534
  - 54           (6x9)
    87
  - 81           (9x9)
     62
   - 54          (6x9)
      85
    - 81         (9x9)
       47
     - 45        (5x9)
        25
      - 18       (2x9)
         73
       - 72      (8x9)
          14
        - 9      (1x9)
Remainder -->      5
```

(5)

```
      90380365 R6
9 | 813423291
  - 81           (9x9)
    03
  - 0            (0x9)
     34
   - 27          (3x9)
      72
    - 72         (8x9)
       03
     - 0         (0x9)
        32
      - 27       (3x9)
         59
       - 54      (6x9)
          51
        - 45     (5x9)
Remainder -->      6
```

(6)

```
      55115119 R5
8 | 440920957
  - 40           (5x8)
    40
  - 40           (5x8)
     09
   - 8           (1x8)
      12
    - 8          (1x8)
       40
     - 40        (5x8)
        09
      - 8        (1x8)
         15
       - 8       (1x8)
          77
        - 72     (9x8)
Remainder -->      5
```