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

(1) $7\overline{)547549422}$	(2) $4\overline{)527051341}$	(3) $2\overline{)336251718}$
(4) $4\overline{)738104569}$	(5) $8\overline{)502961743}$	(6) $7\overline{)781489054}$

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)

```
        78221346 R0
7 | 547549422
  - 49          (7x7)
    57
  - 56          (8x7)
     15
   - 14         (2x7)
      14
    - 14        (2x7)
       09
     - 7        (1x7)
        24
      - 21      (3x7)
         32
       - 28     (4x7)
          42
        - 42    (6x7)
Remainder -->      0
```

(2)

```
        131762835 R1
4 | 527051341
  - 4           (1x4)
    12
  - 12          (3x4)
     07
   - 4          (1x4)
      30
    - 28        (7x4)
       25
     - 24       (6x4)
        11
      - 8       (2x4)
         33
       - 32     (8x4)
          14
        - 12    (3x4)
           21
         - 20   (5x4)
Remainder -->      1
```

(3)

```
        168125859 R0
2 | 336251718
  - 2           (1x2)
    13
  - 12          (6x2)
     16
   - 16         (8x2)
      02
    - 2         (1x2)
       05
     - 4        (2x2)
        11
      - 10      (5x2)
         17
       - 16     (8x2)
          11
        - 10    (5x2)
           18
         - 18   (9x2)
Remainder -->      0
```

(4)

```
        184526142 R1
4 | 738104569
  - 4           (1x4)
    33
  - 32          (8x4)
     18
   - 16         (4x4)
      21
    - 20        (5x4)
       10
     - 8        (2x4)
        24
      - 24      (6x4)
         05
       - 4      (1x4)
          16
        - 16    (4x4)
           09
         - 8    (2x4)
Remainder -->      1
```

(5)

```
        62870217 R7
8 | 502961743
  - 48          (6x8)
    22
  - 16          (2x8)
     69
   - 64         (8x8)
      56
    - 56        (7x8)
       01
     - 0        (0x8)
        17
      - 16      (2x8)
         14
       - 8      (1x8)
          63
        - 56    (7x8)
Remainder -->      7
```

(6)

```
        111641293 R3
7 | 781489054
  - 7           (1x7)
    08
  - 7           (1x7)
     11
   - 7          (1x7)
      44
    - 42        (6x7)
       28
     - 28       (4x7)
        09
      - 7       (1x7)
         20
       - 14     (2x7)
          65
        - 63    (9x7)
           24
         - 21   (3x7)
Remainder -->      3
```