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

(1) $9\overline{)24246524}$	(2) $7\overline{)18131720}$	(3) $4\overline{)71909673}$
(4) $3\overline{)42756068}$	(5) $5\overline{)69593605}$	(6) $6\overline{)79691380}$

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)

```
      2694058 R2
   9 | 24246524
     - 18          (2x9)
       62
     - 54          (6x9)
       84
     - 81          (9x9)
       36
     - 36          (4x9)
        05
      - 0          (0x9)
        52
      - 45         (5x9)
         74
       - 72        (8x9)
          2
```

Remainder --> 2

(2)

```
      2590245 R5
   7 | 18131720
     - 14          (2x7)
       41
     - 35          (5x7)
       63
     - 63          (9x7)
       01
      - 0          (0x7)
        17
      - 14         (2x7)
         32
       - 28        (4x7)
          40
        - 35       (5x7)
           5
```

Remainder --> 5

(3)

```
      17977418 R1
   4 | 71909673
     - 4           (1x4)
       31
     - 28          (7x4)
       39
     - 36          (9x4)
        30
      - 28         (7x4)
         29
       - 28        (7x4)
          16
        - 16       (4x4)
           07
         - 4       (1x4)
            33
          - 32     (8x4)
             1
```

Remainder --> 1

(4)

```
      14252022 R2
   3 | 42756068
     - 3           (1x3)
       12
     - 12          (4x3)
        07
      - 6          (2x3)
         15
       - 15        (5x3)
          06
        - 6       (2x3)
           00
         - 0      (0x3)
            06
          - 6     (2x3)
             08
           - 6    (2x3)
              2
```

Remainder --> 2

(5)

```
      13918721 R0
   5 | 69593605
     - 5           (1x5)
       19
     - 15          (3x5)
        45
      - 45         (9x5)
         09
       - 5         (1x5)
          43
        - 40       (8x5)
           36
         - 35      (7x5)
            10
          - 10     (2x5)
             05
           - 5     (1x5)
              0
```

Remainder --> 0

(6)

```
      13281896 R4
   6 | 79691380
     - 6           (1x6)
       19
     - 18          (3x6)
        16
      - 12         (2x6)
         49
       - 48        (8x6)
          11
        - 6       (1x6)
           53
         - 48      (8x6)
            58
          - 54     (9x6)
             40
           - 36    (6x6)
              4
```

Remainder --> 4