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

(1) $7 \overline{)3411845}$	(2) $8 \overline{)5004949}$	(3) $9 \overline{)7545541}$
(4) $8 \overline{)2884183}$	(5) $3 \overline{)9977675}$	(6) $3 \overline{)4648480}$

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)

```
      487406 R3
   7 | 3411845
     - 28          (4x7)
       61
     - 56          (8x7)
       51
     - 49          (7x7)
        28
      - 28         (4x7)
         04
       - 0         (0x7)
          45
        - 42       (6x7)
           3
```

Remainder --> 3

(2)

```
      625618 R5
   8 | 5004949
     - 48          (6x8)
       20
     - 16          (2x8)
       44
     - 40          (5x8)
        49
      - 48         (6x8)
         14
       - 8         (1x8)
          69
        - 64       (8x8)
           5
```

Remainder --> 5

(3)

```
      838393 R4
   9 | 7545541
     - 72          (8x9)
       34
     - 27          (3x9)
        75
      - 72         (8x9)
         35
       - 27        (3x9)
          84
        - 81       (9x9)
           31
         - 27      (3x9)
            4
```

Remainder --> 4

(4)

```
      360522 R7
   8 | 2884183
     - 24          (3x8)
       48
     - 48          (6x8)
        04
      - 0          (0x8)
         41
       - 40        (5x8)
          18
        - 16       (2x8)
           23
         - 16      (2x8)
            7
```

Remainder --> 7

(5)

```
      3325891 R2
   3 | 9977675
     - 9           (3x3)
       09
     - 9           (3x3)
        07
      - 6          (2x3)
         17
       - 15        (5x3)
          26
        - 24       (8x3)
           27
         - 27      (9x3)
            05
          - 3      (1x3)
            2
```

Remainder --> 2

(6)

```
      1549493 R1
   3 | 4648480
     - 3           (1x3)
       16
     - 15          (5x3)
        14
      - 12         (4x3)
         28
       - 27        (9x3)
          14
        - 12       (4x3)
           28
         - 27      (9x3)
            10
          - 9      (3x3)
            1
```

Remainder --> 1