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

(1) $69 \overline{)591252749}$	(2) $28 \overline{)955042359}$	(3) $96 \overline{)918888488}$
(4) $78 \overline{)678175206}$	(5) $23 \overline{)772264065}$	(6) $21 \overline{)519321970}$

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)

```
          8568880 R29
69 | 591252749
   - 552          ( 8 x 69 )
     392
   - 345          ( 5 x 69 )
      475
    - 414         ( 6 x 69 )
       612
     - 552        ( 8 x 69 )
        607
      - 552       ( 8 x 69 )
         554
       - 552      ( 8 x 69 )
           29
         - 0      ( 0 x 69 )
           29
```

Remainder --> 29

(2)

```
          34108655 R19
28 | 955042359
   - 84           ( 3 x 28 )
     115
   - 112          ( 4 x 28 )
       30
     - 28         ( 1 x 28 )
        24
      - 0         ( 0 x 28 )
        242
      - 224       ( 8 x 28 )
         183
       - 168      ( 6 x 28 )
          155
        - 140     ( 5 x 28 )
           159
         - 140    ( 5 x 28 )
            19
```

Remainder --> 19

(3)

```
          9571755 R8
96 | 918888488
   - 864          ( 9 x 96 )
     548
   - 480          ( 5 x 96 )
      688
    - 672         ( 7 x 96 )
       168
     - 96         ( 1 x 96 )
        724
      - 672       ( 7 x 96 )
         528
       - 480      ( 5 x 96 )
          488
        - 480     ( 5 x 96 )
            8
```

Remainder --> 8

(4)

```
          8694553 R72
78 | 678175206
   - 624          ( 8 x 78 )
     541
   - 468          ( 6 x 78 )
      737
    - 702         ( 9 x 78 )
       355
     - 312        ( 4 x 78 )
        432
      - 390       ( 5 x 78 )
         420
       - 390      ( 5 x 78 )
          306
        - 234     ( 3 x 78 )
           72
```

Remainder --> 72

(5)

```
          33576698 R11
23 | 772264065
   - 69           ( 3 x 23 )
     82
   - 69           ( 3 x 23 )
     132
   - 115          ( 5 x 23 )
       176
     - 161        ( 7 x 23 )
        154
      - 138       ( 6 x 23 )
         160
       - 138      ( 6 x 23 )
          226
        - 207     ( 9 x 23 )
           195
         - 184    ( 8 x 23 )
            11
```

Remainder --> 11

(6)

```
          24729617 R13
21 | 519321970
   - 42           ( 2 x 21 )
     99
   - 84           ( 4 x 21 )
     153
   - 147          ( 7 x 21 )
       62
     - 42         ( 2 x 21 )
        201
      - 189       ( 9 x 21 )
         129
       - 126      ( 6 x 21 )
           37
         - 21     ( 1 x 21 )
           160
         - 147    ( 7 x 21 )
            13
```

Remainder --> 13