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

(1) $44 \overline{)495328823}$	(2) $76 \overline{)217124719}$	(3) $17 \overline{)338447671}$
(4) $72 \overline{)449258929}$	(5) $12 \overline{)707833739}$	(6) $15 \overline{)881706698}$

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)

```
        11257473 R11
44 | 495328823
   - 44          ( 1 x 44 )
     55
   - 44          ( 1 x 44 )
     113
   - 88          ( 2 x 44 )
       252
     - 220       ( 5 x 44 )
        328
      - 308      ( 7 x 44 )
         208
       - 176     ( 4 x 44 )
           322
         - 308   ( 7 x 44 )
             143
           - 132 ( 3 x 44 )
Remainder -->  11
```

(2)

```
        2856904 R15
76 | 217124719
   - 152         ( 2 x 76 )
     651
   - 608         ( 8 x 76 )
     432
   - 380         ( 5 x 76 )
       524
     - 456       ( 6 x 76 )
        687
      - 684      ( 9 x 76 )
          31
        - 0      ( 0 x 76 )
          319
        - 304    ( 4 x 76 )
Remainder -->  15
```

(3)

```
        19908686 R9
17 | 338447671
   - 17          ( 1 x 17 )
     168
   - 153         ( 9 x 17 )
      154
    - 153        ( 9 x 17 )
        14
      - 0        ( 0 x 17 )
        147
      - 136      ( 8 x 17 )
         116
       - 102     ( 6 x 17 )
           147
         - 136   ( 8 x 17 )
             111
           - 102 ( 6 x 17 )
Remainder -->  9
```

(4)

```
        6239707 R25
72 | 449258929
   - 432         ( 6 x 72 )
     172
   - 144         ( 2 x 72 )
      285
    - 216        ( 3 x 72 )
        698
      - 648      ( 9 x 72 )
         509
       - 504     ( 7 x 72 )
           52
         - 0     ( 0 x 72 )
           529
         - 504   ( 7 x 72 )
Remainder -->  25
```

(5)

```
        58986144 R11
12 | 707833739
   - 60          ( 5 x 12 )
     107
   - 96          ( 8 x 12 )
      118
    - 108        ( 9 x 12 )
        103
      - 96       ( 8 x 12 )
          73
        - 72     ( 6 x 12 )
           17
         - 12    ( 1 x 12 )
           53
         - 48    ( 4 x 12 )
           59
         - 48    ( 4 x 12 )
Remainder -->  11
```

(6)

```
        58780446 R8
15 | 881706698
   - 75          ( 5 x 15 )
     131
   - 120         ( 8 x 15 )
      117
    - 105        ( 7 x 15 )
        120
      - 120      ( 8 x 15 )
          06
        - 0      ( 0 x 15 )
          66
        - 60     ( 4 x 15 )
          69
        - 60     ( 4 x 15 )
          98
        - 90     ( 6 x 15 )
Remainder -->  8
```