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

(1) $75 \overline{)532498716}$	(2) $96 \overline{)487634102}$	(3) $31 \overline{)259990526}$
(4) $37 \overline{)762322820}$	(5) $60 \overline{)647914279}$	(6) $68 \overline{)432607529}$

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)

```
          7099982 R66
75 | 532498716
   - 525          ( 7 x 75 )
     74
   - 0            ( 0 x 75 )
     749
   - 675          ( 9 x 75 )
      748
    - 675         ( 9 x 75 )
       737
     - 675        ( 9 x 75 )
        621
      - 600       ( 8 x 75 )
         216
       - 150      ( 2 x 75 )
           66
```

Remainder --> 66

(2)

```
          5079521 R86
96 | 487634102
   - 480          ( 5 x 96 )
     76
   - 0            ( 0 x 96 )
     763
   - 672          ( 7 x 96 )
      914
    - 864         ( 9 x 96 )
       501
     - 480        ( 5 x 96 )
        210
      - 192       ( 2 x 96 )
         182
       - 96       ( 1 x 96 )
           86
```

Remainder --> 86

(3)

```
          8386791 R5
31 | 259990526
   - 248          ( 8 x 31 )
     119
   - 93           ( 3 x 31 )
     269
   - 248          ( 8 x 31 )
      210
    - 186         ( 6 x 31 )
       245
     - 217        ( 7 x 31 )
        282
      - 279       ( 9 x 31 )
          36
        - 31      ( 1 x 31 )
           5
```

Remainder --> 5

(4)

```
          20603319 R17
37 | 762322820
   - 74           ( 2 x 37 )
     22
   - 0            ( 0 x 37 )
     223
   - 222          ( 6 x 37 )
       12
     - 0          ( 0 x 37 )
       122
     - 111        ( 3 x 37 )
        118
      - 111       ( 3 x 37 )
          72
        - 37      ( 1 x 37 )
          350
        - 333     ( 9 x 37 )
           17
```

Remainder --> 17

(5)

```
          10798571 R19
60 | 647914279
   - 60           ( 1 x 60 )
     47
   - 0            ( 0 x 60 )
     479
   - 420          ( 7 x 60 )
      591
    - 540         ( 9 x 60 )
       514
     - 480        ( 8 x 60 )
        342
      - 300       ( 5 x 60 )
         427
       - 420      ( 7 x 60 )
           79
         - 60     ( 1 x 60 )
           19
```

Remainder --> 19

(6)

```
          6361875 R29
68 | 432607529
   - 408          ( 6 x 68 )
     246
   - 204          ( 3 x 68 )
     420
   - 408          ( 6 x 68 )
      127
    - 68          ( 1 x 68 )
       595
     - 544        ( 8 x 68 )
        512
      - 476       ( 7 x 68 )
         369
       - 340      ( 5 x 68 )
           29
```

Remainder --> 29