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

(1) $765 \overline{)729750772}$	(2) $459 \overline{)386665185}$	(3) $998 \overline{)885312389}$
(4) $570 \overline{)785532194}$	(5) $534 \overline{)539665353}$	(6) $780 \overline{)638936255}$

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)

```
              953922 R442
765 | 729750772
    - 6885          ( 9 x 765 )
      4125
    - 3825          ( 5 x 765 )
       3000
     - 2295         ( 3 x 765 )
       7057
     - 6885         ( 9 x 765 )
       1727
     - 1530         ( 2 x 765 )
        1972
      - 1530        ( 2 x 765 )
Remainder -->  442
```

(2)

```
              842407 R372
459 | 386665185
    - 3672          ( 8 x 459 )
      1946
    - 1836          ( 4 x 459 )
       1105
     - 918          ( 2 x 459 )
       1871
     - 1836         ( 4 x 459 )
        358
        - 0         ( 0 x 459 )
        3585
      - 3213        ( 7 x 459 )
Remainder -->  372
```

(3)

```
              887086 R561
998 | 885312389
    - 7984          ( 8 x 998 )
      8691
    - 7984          ( 8 x 998 )
       7072
     - 6986         ( 7 x 998 )
        863
        - 0         ( 0 x 998 )
        8638
      - 7984        ( 8 x 998 )
        6549
      - 5988        ( 6 x 998 )
Remainder -->  561
```

(4)

```
              1378126 R374
570 | 785532194
    - 570           ( 1 x 570 )
      2155
    - 1710          ( 3 x 570 )
       4453
     - 3990         ( 7 x 570 )
       4632
     - 4560         ( 8 x 570 )
        721
      - 570         ( 1 x 570 )
        1519
      - 1140        ( 2 x 570 )
         3794
       - 3420       ( 6 x 570 )
Remainder -->  374
```

(5)

```
              1010609 R147
534 | 539665353
    - 534           ( 1 x 534 )
       56
      - 0           ( 0 x 534 )
       566
     - 534          ( 1 x 534 )
       325
        - 0         ( 0 x 534 )
       3253
     - 3204         ( 6 x 534 )
        495
        - 0         ( 0 x 534 )
        4953
      - 4806        ( 9 x 534 )
Remainder -->  147
```

(6)

```
              819149 R35
780 | 638936255
    - 6240          ( 8 x 780 )
      1493
    - 780           ( 1 x 780 )
       7136
     - 7020         ( 9 x 780 )
       1162
      - 780         ( 1 x 780 )
       3825
     - 3120         ( 4 x 780 )
        7055
      - 7020        ( 9 x 780 )
Remainder -->  35
```