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

(1) $415 \overline{)500156383}$	(2) $156 \overline{)658259219}$	(3) $472 \overline{)252985433}$
(4) $865 \overline{)933778121}$	(5) $750 \overline{)628828627}$	(6) $613 \overline{)170257929}$

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)

```
          1205196 R43
415 | 500156383
    - 415          ( 1 x 415 )
      851
    - 830          ( 2 x 415 )
      215
    - 0            ( 0 x 415 )
      2156
    - 2075         ( 5 x 415 )
        813
      - 415        ( 1 x 415 )
        3988
      - 3735       ( 9 x 415 )
          2533
        - 2490     ( 6 x 415 )
Remainder -->           43
```

(2)

```
          4219610 R59
156 | 658259219
    - 624          ( 4 x 156 )
      342
    - 312          ( 2 x 156 )
      305
    - 156          ( 1 x 156 )
      1499
    - 1404         ( 9 x 156 )
        952
      - 936        ( 6 x 156 )
        161
      - 156        ( 1 x 156 )
          59
        - 0        ( 0 x 156 )
Remainder -->           59
```

(3)

```
          535986 R41
472 | 252985433
    - 2360         ( 5 x 472 )
      1698
    - 1416         ( 3 x 472 )
      2825
    - 2360         ( 5 x 472 )
        4654
      - 4248       ( 9 x 472 )
        4063
      - 3776       ( 8 x 472 )
          2873
        - 2832     ( 6 x 472 )
Remainder -->           41
```

(4)

```
          1079512 R241
865 | 933778121
    - 865          ( 1 x 865 )
      687
    - 0            ( 0 x 865 )
      6877
    - 6055         ( 7 x 865 )
        8228
      - 7785       ( 9 x 865 )
        4431
      - 4325       ( 5 x 865 )
          1062
        - 865      ( 1 x 865 )
          1971
        - 1730     ( 2 x 865 )
Remainder -->           241
```

(5)

```
          838438 R127
750 | 628828627
    - 6000         ( 8 x 750 )
      2882
    - 2250         ( 3 x 750 )
      6328
    - 6000         ( 8 x 750 )
        3286
      - 3000       ( 4 x 750 )
        2862
      - 2250       ( 3 x 750 )
          6127
        - 6000     ( 8 x 750 )
Remainder -->           127
```

(6)

```
          277745 R244
613 | 170257929
    - 1226         ( 2 x 613 )
      4765
    - 4291         ( 7 x 613 )
      4747
    - 4291         ( 7 x 613 )
        4569
      - 4291       ( 7 x 613 )
        2782
      - 2452       ( 4 x 613 )
          3309
        - 3065     ( 5 x 613 )
Remainder -->           244
```