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

(1) $4463 \overline{)532647176}$	(2) $5119 \overline{)936041388}$	(3) $3965 \overline{)508660922}$
(4) $2553 \overline{)388669821}$	(5) $8339 \overline{)933347124}$	(6) $8620 \overline{)637841590}$

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)

```
          119347 R1515
4463 | 532647176
     - 4463          ( 1 x 4463 )
       8634
     - 4463          ( 1 x 4463 )
       41717
     - 40167         ( 9 x 4463 )
       15501
     - 13389         ( 3 x 4463 )
       21127
     - 17852         ( 4 x 4463 )
       32756
     - 31241         ( 7 x 4463 )
       1515
```

Remainder --> 1515

(2)

```
          182856 R1524
5119 | 936041388
     - 5119          ( 1 x 5119 )
       42414
     - 40952         ( 8 x 5119 )
       14621
     - 10238         ( 2 x 5119 )
       43833
     - 40952         ( 8 x 5119 )
       28818
     - 25595         ( 5 x 5119 )
       32238
     - 30714         ( 6 x 5119 )
       1524
```

Remainder --> 1524

(3)

```
          128287 R2967
3965 | 508660922
     - 3965          ( 1 x 3965 )
       11216
     - 7930          ( 2 x 3965 )
       32860
     - 31720         ( 8 x 3965 )
       11409
     - 7930          ( 2 x 3965 )
       34792
     - 31720         ( 8 x 3965 )
       30722
     - 27755         ( 7 x 3965 )
       2967
```

Remainder --> 2967

(4)

```
          152240 R1101
2553 | 388669821
     - 2553          ( 1 x 2553 )
       13336
     - 12765         ( 5 x 2553 )
       5719
     - 5106          ( 2 x 2553 )
       6138
     - 5106          ( 2 x 2553 )
       10322
     - 10212         ( 4 x 2553 )
       1101
     - 0             ( 0 x 2553 )
       1101
```

Remainder --> 1101

(5)

```
          111925 R4549
8339 | 933347124
     - 8339          ( 1 x 8339 )
       9944
     - 8339          ( 1 x 8339 )
       16057
     - 8339          ( 1 x 8339 )
       77181
     - 75051         ( 9 x 8339 )
       21302
     - 16678         ( 2 x 8339 )
       46244
     - 41695         ( 5 x 8339 )
       4549
```

Remainder --> 4549

(6)

```
          73995 R4690
8620 | 637841590
     - 60340         ( 7 x 8620 )
       34441
     - 25860         ( 3 x 8620 )
       85815
     - 77580         ( 9 x 8620 )
       82359
     - 77580         ( 9 x 8620 )
       47790
     - 43100         ( 5 x 8620 )
       4690
```

Remainder --> 4690