Name_____ Date_____

(1)	(2)	(3)
643 | 951951716	691 | 767108574	709 | 241697912

Name_____ Date_____

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

(1)

```
          1480484 R504
643 | 951951716
    - 643          ( 1 x 643 )
      3089
    - 2572         ( 4 x 643 )
      5175
    - 5144         ( 8 x 643 )
       311
       - 0         ( 0 x 643 )
       3117
     - 2572        ( 4 x 643 )
       5451
     - 5144        ( 8 x 643 )
       3076
     - 2572        ( 4 x 643 )
Remainder -->  504
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 643 into 951 (= 1)
Multiply 1 times 643 (= 643)
Subtract 643 from 951 (= 308)
Bring down the 9

Divide 643 into 3089 (= 4)
Multiply 4 times 643 (= 2572)
Subtract 2572 from 3089 (= 517)
Bring down the 5

Divide 643 into 5175 (= 8)
Multiply 8 times 643 (= 5144)
Subtract 5144 from 5175 (= 31)
Bring down the 1

Divide 643 into 311 (= 0)
Multiply 0 times 643 (= 0)
Subtract 0 from 311 (= 311)
Bring down the 7

Divide 643 into 3117 (= 4)
Multiply 4 times 643 (= 2572)
Subtract 2572 from 3117 (= 545)
Bring down the 1

Divide 643 into 5451 (= 8)
Multiply 8 times 643 (= 5144)
Subtract 5144 from 5451 (= 307)
Bring down the 6

Divide 643 into 3076 (= 4)
Multiply 4 times 643 (= 2572)
Subtract 2572 from 3076 (= 504)
Done. No more numbers to bring down.

(2)

```
          1110142 R452
691 | 767108574
    - 691          ( 1 x 691 )
      761
    - 691          ( 1 x 691 )
      700
    - 691          ( 1 x 691 )
       98
       - 0         ( 0 x 691 )
       985
     - 691         ( 1 x 691 )
       2947
     - 2764        ( 4 x 691 )
       1834
     - 1382        ( 2 x 691 )
Remainder -->  452
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 691 into 767 (= 1)
Multiply 1 times 691 (= 691)
Subtract 691 from 767 (= 76)
Bring down the 1

Divide 691 into 761 (= 1)
Multiply 1 times 691 (= 691)
Subtract 691 from 761 (= 70)
Bring down the 0

Divide 691 into 700 (= 1)
Multiply 1 times 691 (= 691)
Subtract 691 from 700 (= 9)
Bring down the 8

Divide 691 into 98 (= 0)
Multiply 0 times 691 (= 0)
Subtract 0 from 98 (= 98)
Bring down the 5

Divide 691 into 985 (= 1)
Multiply 1 times 691 (= 691)
Subtract 691 from 985 (= 294)
Bring down the 7

Divide 691 into 2947 (= 4)
Multiply 4 times 691 (= 2764)
Subtract 2764 from 2947 (= 183)
Bring down the 4

Divide 691 into 1834 (= 2)
Multiply 2 times 691 (= 1382)
Subtract 1382 from 1834 (= 452)
Done. No more numbers to bring down.

(3)

```
          340899 R521
709 | 241697912
    - 2127         ( 3 x 709 )
      2899
    - 2836         ( 4 x 709 )
      637
      - 0          ( 0 x 709 )
      6379
    - 5672         ( 8 x 709 )
      7071
    - 6381         ( 9 x 709 )
      6902
    - 6381         ( 9 x 709 )
Remainder -->  521
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 709 into 2416 (= 3)
Multiply 3 times 709 (= 2127)
Subtract 2127 from 2416 (= 289)
Bring down the 9

Divide 709 into 2899 (= 4)
Multiply 4 times 709 (= 2836)
Subtract 2836 from 2899 (= 63)
Bring down the 7

Divide 709 into 637 (= 0)
Multiply 0 times 709 (= 0)
Subtract 0 from 637 (= 637)
Bring down the 9

Divide 709 into 6379 (= 8)
Multiply 8 times 709 (= 5672)
Subtract 5672 from 6379 (= 707)
Bring down the 1

Divide 709 into 7071 (= 9)
Multiply 9 times 709 (= 6381)
Subtract 6381 from 7071 (= 690)
Bring down the 2

Divide 709 into 6902 (= 9)
Multiply 9 times 709 (= 6381)
Subtract 6381 from 6902 (= 521)
Done. No more numbers to bring down.