Name_____ Date_____

(1)	(2)	(3)
642 | 194652947	711 | 272029191	936 | 710768881

Name_____ Date_____

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

(1)

```
          303197 R473
642 | 194652947
     - 1926          ( 3 x 642 )
       205
       - 0           ( 0 x 642 )
       2052
     - 1926          ( 3 x 642 )
       1269
       - 642         ( 1 x 642 )
       6274
     - 5778          ( 9 x 642 )
       4967
     - 4494          ( 7 x 642 )
Remainder -->  473
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 642 into 1946 (= 3)
Multiply 3 times 642 (= 1926)
Subtract 1926 from 1946 (= 20)
Bring down the 5

Divide 642 into 205 (= 0)
Multiply 0 times 642 (= 0)
Subtract 0 from 205 (= 205)
Bring down the 2

Divide 642 into 2052 (= 3)
Multiply 3 times 642 (= 1926)
Subtract 1926 from 2052 (= 126)
Bring down the 9

Divide 642 into 1269 (= 1)
Multiply 1 times 642 (= 642)
Subtract 642 from 1269 (= 627)
Bring down the 4

Divide 642 into 6274 (= 9)
Multiply 9 times 642 (= 5778)
Subtract 5778 from 6274 (= 496)
Bring down the 7

Divide 642 into 4967 (= 7)
Multiply 7 times 642 (= 4494)
Subtract 4494 from 4967 (= 473)
Done. No more numbers to bring down.

(2)

```
          382600 R591
711 | 272029191
     - 2133          ( 3 x 711 )
       5872
     - 5688          ( 8 x 711 )
       1849
     - 1422          ( 2 x 711 )
       4271
     - 4266          ( 6 x 711 )
         59
       - 0           ( 0 x 711 )
         591
       - 0           ( 0 x 711 )
Remainder -->  591
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 711 into 2720 (= 3)
Multiply 3 times 711 (= 2133)
Subtract 2133 from 2720 (= 587)
Bring down the 2

Divide 711 into 5872 (= 8)
Multiply 8 times 711 (= 5688)
Subtract 5688 from 5872 (= 184)
Bring down the 9

Divide 711 into 1849 (= 2)
Multiply 2 times 711 (= 1422)
Subtract 1422 from 1849 (= 427)
Bring down the 1

Divide 711 into 4271 (= 6)
Multiply 6 times 711 (= 4266)
Subtract 4266 from 4271 (= 5)
Bring down the 9

Divide 711 into 59 (= 0)
Multiply 0 times 711 (= 0)
Subtract 0 from 59 (= 59)
Bring down the 1

Divide 711 into 591 (= 0)
Multiply 0 times 711 (= 0)
Subtract 0 from 591 (= 591)
Done. No more numbers to bring down.

(3)

```
          759368 R433
936 | 710768881
     - 6552          ( 7 x 936 )
       5556
     - 4680          ( 5 x 936 )
       8768
     - 8424          ( 9 x 936 )
       3448
     - 2808          ( 3 x 936 )
       6408
     - 5616          ( 6 x 936 )
       7921
     - 7488          ( 8 x 936 )
Remainder -->  433
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 936 into 7107 (= 7)
Multiply 7 times 936 (= 6552)
Subtract 6552 from 7107 (= 555)
Bring down the 6

Divide 936 into 5556 (= 5)
Multiply 5 times 936 (= 4680)
Subtract 4680 from 5556 (= 876)
Bring down the 8

Divide 936 into 8768 (= 9)
Multiply 9 times 936 (= 8424)
Subtract 8424 from 8768 (= 344)
Bring down the 8

Divide 936 into 3448 (= 3)
Multiply 3 times 936 (= 2808)
Subtract 2808 from 3448 (= 640)
Bring down the 8

Divide 936 into 6408 (= 6)
Multiply 6 times 936 (= 5616)
Subtract 5616 from 6408 (= 792)
Bring down the 1

Divide 936 into 7921 (= 8)
Multiply 8 times 936 (= 7488)
Subtract 7488 from 7921 (= 433)
Done. No more numbers to bring down.