Name_____ Date_____

(1)	(2)	(3)
906) 542693076	121) 232661595	253) 210299430

Name_____ Date_____

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

(1)

```
          598998 R888
906 | 542693076
     - 4530        ( 5 x 906 )
       8969
     - 8154        ( 9 x 906 )
       8153
     - 7248        ( 8 x 906 )
       9050
     - 8154        ( 9 x 906 )
       8967
     - 8154        ( 9 x 906 )
       8136
     - 7248        ( 8 x 906 )
Remainder -->  888
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 906 into 5426 (= 5)
Multiply 5 times 906 (= 4530)
Subtract 4530 from 5426 (= 896)
Bring down the 9

Divide 906 into 8969 (= 9)
Multiply 9 times 906 (= 8154)
Subtract 8154 from 8969 (= 815)
Bring down the 3

Divide 906 into 8153 (= 8)
Multiply 8 times 906 (= 7248)
Subtract 7248 from 8153 (= 905)
Bring down the 0

Divide 906 into 9050 (= 9)
Multiply 9 times 906 (= 8154)
Subtract 8154 from 9050 (= 896)
Bring down the 7

Divide 906 into 8967 (= 9)
Multiply 9 times 906 (= 8154)
Subtract 8154 from 8967 (= 813)
Bring down the 6

Divide 906 into 8136 (= 8)
Multiply 8 times 906 (= 7248)
Subtract 7248 from 8136 (= 888)
Done. No more numbers to bring down.

(2)

```
         1922823 R12
121 | 232661595
     - 121         ( 1 x 121 )
       1116
     - 1089        ( 9 x 121 )
       276
     - 242         ( 2 x 121 )
       341
     - 242         ( 2 x 121 )
       995
     - 968         ( 8 x 121 )
       279
     - 242         ( 2 x 121 )
       375
     - 363         ( 3 x 121 )
Remainder -->  12
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 121 into 232 (= 1)
Multiply 1 times 121 (= 121)
Subtract 121 from 232 (= 111)
Bring down the 6

Divide 121 into 1116 (= 9)
Multiply 9 times 121 (= 1089)
Subtract 1089 from 1116 (= 27)
Bring down the 6

Divide 121 into 276 (= 2)
Multiply 2 times 121 (= 242)
Subtract 242 from 276 (= 34)
Bring down the 1

Divide 121 into 341 (= 2)
Multiply 2 times 121 (= 242)
Subtract 242 from 341 (= 99)
Bring down the 5

Divide 121 into 995 (= 8)
Multiply 8 times 121 (= 968)
Subtract 968 from 995 (= 27)
Bring down the 9

Divide 121 into 279 (= 2)
Multiply 2 times 121 (= 242)
Subtract 242 from 279 (= 37)
Bring down the 5

Divide 121 into 375 (= 3)
Multiply 3 times 121 (= 363)
Subtract 363 from 375 (= 12)
Done. No more numbers to bring down.

(3)

```
          831223 R11
253 | 210299430
     - 2024        ( 8 x 253 )
       789
     - 759         ( 3 x 253 )
       309
     - 253         ( 1 x 253 )
       564
     - 506         ( 2 x 253 )
       583
     - 506         ( 2 x 253 )
       770
     - 759         ( 3 x 253 )
Remainder -->  11
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 253 into 2102 (= 8)
Multiply 8 times 253 (= 2024)
Subtract 2024 from 2102 (= 78)
Bring down the 9

Divide 253 into 789 (= 3)
Multiply 3 times 253 (= 759)
Subtract 759 from 789 (= 30)
Bring down the 9

Divide 253 into 309 (= 1)
Multiply 1 times 253 (= 253)
Subtract 253 from 309 (= 56)
Bring down the 4

Divide 253 into 564 (= 2)
Multiply 2 times 253 (= 506)
Subtract 506 from 564 (= 58)
Bring down the 3

Divide 253 into 583 (= 2)
Multiply 2 times 253 (= 506)
Subtract 506 from 583 (= 77)
Bring down the 0

Divide 253 into 770 (= 3)
Multiply 3 times 253 (= 759)
Subtract 759 from 770 (= 11)
Done. No more numbers to bring down.