Name_____ Date_____

(1)	(2)	(3)
8366) 244157392	2609) 621907209	1158) 410916889

Name_____ Date_____

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

(1)

```
                29184 R4048
8366 | 244157392
     - 16732      ( 2 x 8366 )
       76837
     - 75294      ( 9 x 8366 )
       15433
     - 8366       ( 1 x 8366 )
       70679
     - 66928      ( 8 x 8366 )
       37512
     - 33464      ( 4 x 8366 )
Remainder -->  4048
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8366 into 24415 (= 2)
Multiply 2 times 8366 (= 16732)
Subtract 16732 from 24415 (= 7683)
Bring down the 7

Divide 8366 into 76837 (= 9)
Multiply 9 times 8366 (= 75294)
Subtract 75294 from 76837 (= 1543)
Bring down the 3

Divide 8366 into 15433 (= 1)
Multiply 1 times 8366 (= 8366)
Subtract 8366 from 15433 (= 7067)
Bring down the 9

Divide 8366 into 70679 (= 8)
Multiply 8 times 8366 (= 66928)
Subtract 66928 from 70679 (= 3751)
Bring down the 2

Divide 8366 into 37512 (= 4)
Multiply 4 times 8366 (= 33464)
Subtract 33464 from 37512 (= 4048)
Done. No more numbers to bring down.

(2)

```
               238369 R2488
2609 | 621907209
     - 5218       ( 2 x 2609 )
       10010
     - 7827       ( 3 x 2609 )
       21837
     - 20872      ( 8 x 2609 )
       9652
     - 7827       ( 3 x 2609 )
       18250
     - 15654      ( 6 x 2609 )
       25969
     - 23481      ( 9 x 2609 )
Remainder -->  2488
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 2609 into 6219 (= 2)
Multiply 2 times 2609 (= 5218)
Subtract 5218 from 6219 (= 1001)
Bring down the 0

Divide 2609 into 10010 (= 3)
Multiply 3 times 2609 (= 7827)
Subtract 7827 from 10010 (= 2183)
Bring down the 7

Divide 2609 into 21837 (= 8)
Multiply 8 times 2609 (= 20872)
Subtract 20872 from 21837 (= 965)
Bring down the 2

Divide 2609 into 9652 (= 3)
Multiply 3 times 2609 (= 7827)
Subtract 7827 from 9652 (= 1825)
Bring down the 0

Divide 2609 into 18250 (= 6)
Multiply 6 times 2609 (= 15654)
Subtract 15654 from 18250 (= 2596)
Bring down the 9

Divide 2609 into 25969 (= 9)
Multiply 9 times 2609 (= 23481)
Subtract 23481 from 25969 (= 2488)
Done. No more numbers to bring down.

(3)

```
               354850 R589
1158 | 410916889
     - 3474       ( 3 x 1158 )
       6351
     - 5790       ( 5 x 1158 )
       5616
     - 4632       ( 4 x 1158 )
       9848
     - 9264       ( 8 x 1158 )
       5848
     - 5790       ( 5 x 1158 )
       589
     - 0          ( 0 x 1158 )
Remainder -->  589
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 1158 into 4109 (= 3)
Multiply 3 times 1158 (= 3474)
Subtract 3474 from 4109 (= 635)
Bring down the 1

Divide 1158 into 6351 (= 5)
Multiply 5 times 1158 (= 5790)
Subtract 5790 from 6351 (= 561)
Bring down the 6

Divide 1158 into 5616 (= 4)
Multiply 4 times 1158 (= 4632)
Subtract 4632 from 5616 (= 984)
Bring down the 8

Divide 1158 into 9848 (= 8)
Multiply 8 times 1158 (= 9264)
Subtract 9264 from 9848 (= 584)
Bring down the 8

Divide 1158 into 5848 (= 5)
Multiply 5 times 1158 (= 5790)
Subtract 5790 from 5848 (= 58)
Bring down the 9

Divide 1158 into 589 (= 0)
Multiply 0 times 1158 (= 0)
Subtract 0 from 589 (= 589)
Done. No more numbers to bring down.