Name_

Date _

Division: Listing Multiples

List multiples for the divisor when you are solving division problems so you can quickly find the best factor in this standard algorithm approach. Directions:

- 1. List the product for the divisor times a factor (10, 100, etc.) of your choice.
- 2. Double the product and factor twice to create a list of multiples.
- 3. Circle the closest multiple to the dividend and follow the standard algorithm.
- 4. Continue steps 1-4 until your dividend is less than the divisor.
- 5. Answer the open-response question after each division problem.

$=$ # close to 4,938? $_$ x 19 = # close to 1,19 = 190010 x 19 = 1909 = 3800 20 x 19 = 3809 = 760030 x 19 = 570	38?		
$40 \times 19 = 760$ $50 \times 19 = 950 \checkmark$ $60 \times 19 = 1,140$			
The multiples of 19			
	50 x 19 = 950 60 x 19 = 1,140 . There are sets of listed		

1.	Standard Algorithm 2,122 ÷13	Listed Multiples What x 13 = a number close to 2,122?	
		what x 13 = a number close to 2,122? $ \begin{array}{c} x 13 = 1300 \\ 200 x 13 = \\ x 13 = \\ x 13 = \\ \end{array} $ What x 13 = # close to? $ \begin{array}{c} x 13 = 130 \\ x 13 = \\ \end{array} $ What x 13 = # close to? $ \begin{array}{c} 5 \\ x 13 = \\ x 13 = \\ x 13 = \\ \end{array} $	
Do you thir	k listing the multiples is helpful? Why or why no	t?	

2. Standard Algorithm	Listed Multiples	
1,906 ÷ 10		
o you think listing the multiples is helpful? Why or why not?		