The Slide Method for GCF and LCM
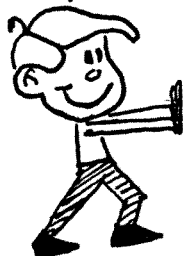
DIRECTIONS: Examine the method shown below for finding the *greatest common factor, least common multiple,* and the *fraction in simplest form.*

a common factor- 4	56	72
a common factor- 2	14	18
	7	9

A) To find the *GCF,* multiply the number outside the steps of the slide on the left side of the table: (4 x 2 = 8). (B) To find the *LCM,* multiply all of the numbers outside of the step of the slide's border and bottom of the slide: (4 x 2 x 7 x 9 = 504). (C) The fraction $\frac{56}{72}$ will be shown in simplest form by the two numbers underneath the slide. Therefore, the fraction is $\frac{7}{9}$ is in simplest form.

		GCF	LCM	Simplest form
1.	15, 30			
2.	24, 36			
3.	40, 62			
4.	12, 18			
5.	54, 72			
6.	64, 120			
7.	42, 112			
8.	64, 152			
9.	24, 56			

		GCF	LCM	Simplest form
10.	12, 15			
11.	20, 36			
12.	12, 16			
13.	15, 25			
14.	20, 32			
15.	18, 27			
16.	30, 80			
17.	33, 44			
18.	12, 20			