Spaghetti and Meatballs for All!

Name:_____

The Story:

Mrs. Comfort's friends and family prefer to sit in a long row of tables rather than individually.

Mrs. Comfort needs help figuring out how many people can sit at a long row of tables, which have been pushed together in a row, so that she can order the correct amount for her reunion.

The Problem:

Help Mrs. Comfort figure out how many people can sit at a long row of tables. Figure out how many people can sit at the following tables if they are pushed together end to end:

Number of Tables	Number of People
1 table	4 people
2 tables	6 people
3 tables	
4 tables	
5 tables	
10 tables	
15 tables	
25 tables	
113 tables	

The Rule:

What if we wanted to figure out how many people could sit at **n, any number of tables**?

Write a rule, using **numbers** and **words**, that will help Mrs. Comfort figure out how many people can sit at her long table no matter how many tables she orders.

My rule in words:

My rule as an expression:

Bonus!

Another rule for figuring out how many people can sit at a long row of tables is the following:

2(n-2) + 6

If “n” is any number of tables in a long row, can you justify how this expression is related to a long row of tables?

Think: Where does the 6 come from in the expression? Why are we subtracting 2 from the number of tables in the long row?

Direct Instruction and Problem-Based Learning

	Attributes of Direct Instruction	Attributes of P.B.L.
After Clip 1		
After Clip 2		
After Clip 3		

Wrap-Up

Below record something ***"old"*** that you heard today and something ***"new"*** that you connected with. Record a question that you wish to research and learn more about.