

Scenario:

One of your neighbors, **Mr. Jones**, is interested in hiring you on a part-time basis to help with yard work such as raking, weeding, and shoveling in the winter. However, he **wants to pay you \$10 to come to his house to work and then \$8 for each hour you are working.**

A different neighbor, Mrs. Smith, wants to pay you \$12 an hour for each hour you are working.

Your parents are encouraging you to take Mr. Jones's offer. You are not so sure... Which offer is better? Why?

Table:

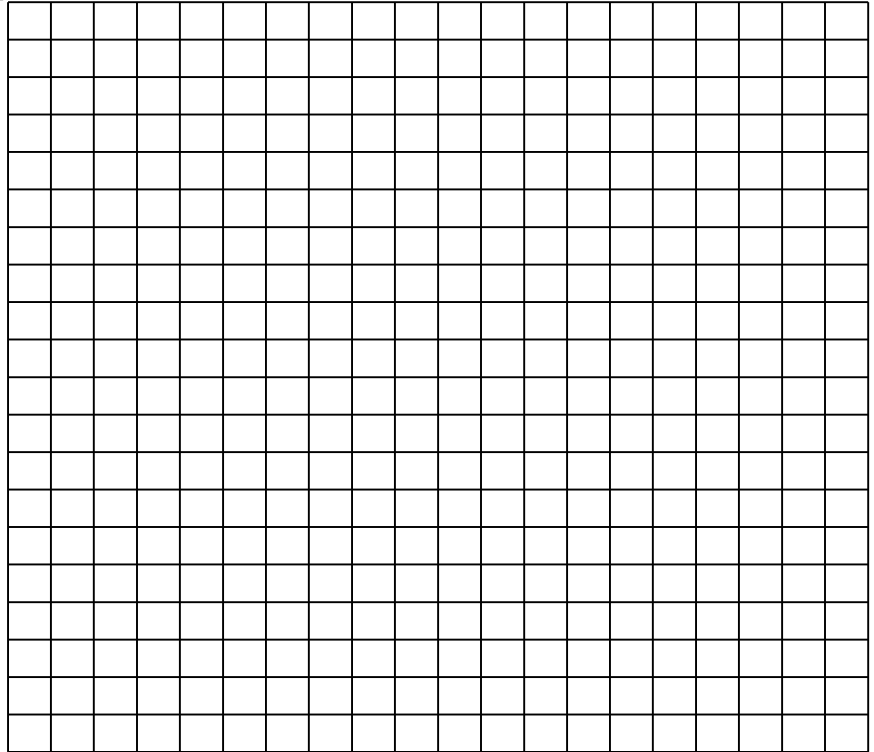
Mr. Jones

Mrs. Smith

Hours	\$
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Hours	\$
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Graph:



Equation: (in slope intercept form - $y = mx + b$)

Mr. Jones:

Mrs. Smith:

Your parents are encouraging you to take Mr. Jones's offer. You're not so sure...Which offer is better? Why?

Is there a certain amount of hours you could work where the offers would be the same? _____

When (which hours) would it be better to take Mr. Jones offer? _____

When(which hours) would it be better to take Mrs. Smith's offer? _____