



Painting Towers For Linear Data

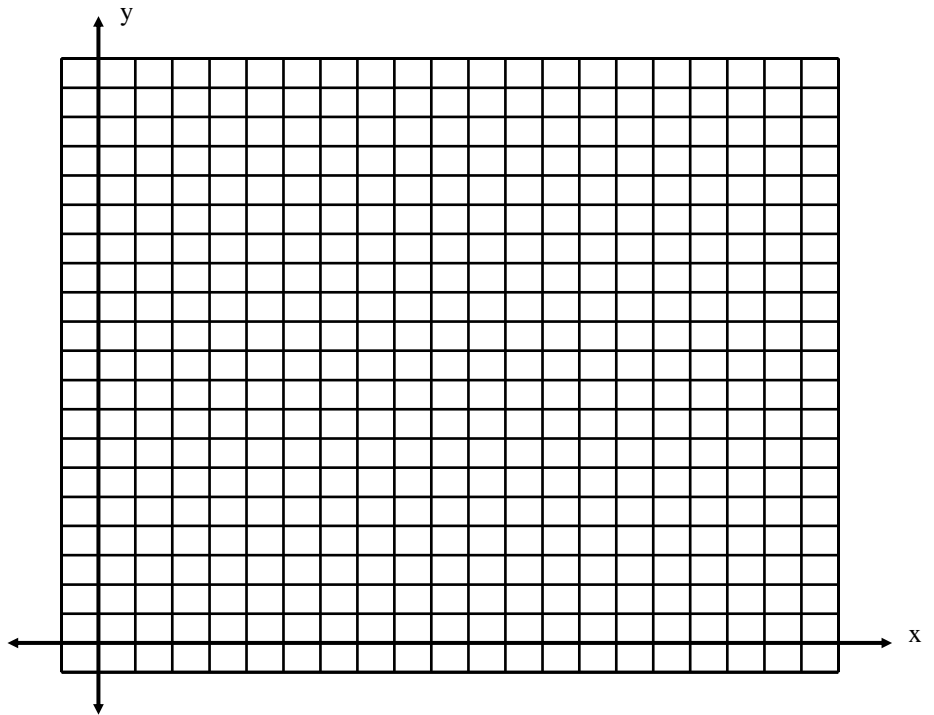
Name _____
Date _____

A tower is being painted on all four sides and the roof. The painter needs to know how many square faces need to be painted in order to purchase the paint. She builds a model to help her decide the number of square surfaces in a tower that is 100 stories high. Use linking or centimeter cubes to build a model.

# of stories in building	# of faces to be painted
1	5
2	9
3	
4	
5	
6	
100	

Do you think this is a linear relationship?
Explain your thinking.

Plot 5 of the ordered pairs
in the relation



Write an algebraic expression relating the number of square faces to the number of stories in the tower.