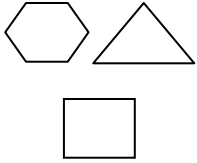


# Polygon Trains (A Pattern Blocks Investigation)

Name \_\_\_\_\_

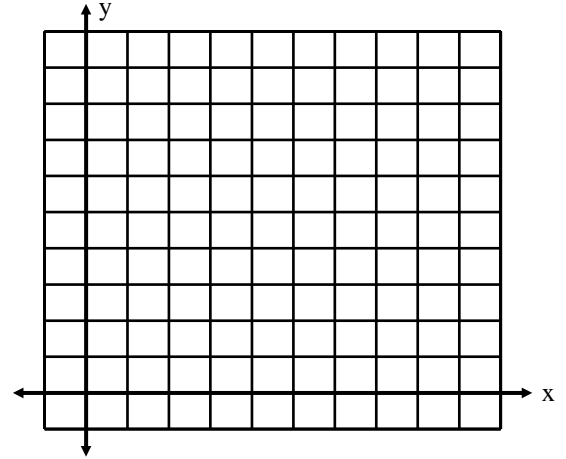
Date \_\_\_\_\_



You are the designer of a unique train ride attraction using polygon shaped cars. Each exposed side of a polygon will need to have a window for a passenger. Complete a table. Sketch a graph of the relation. Write an equation for the linear relation.

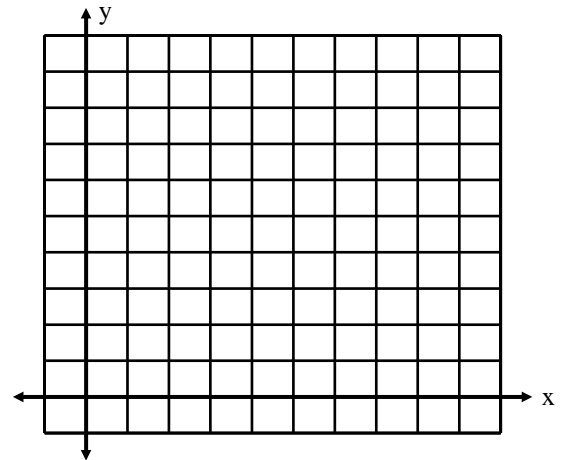
Cars in the train (X)	Total windows

1) This train will have triangular cars



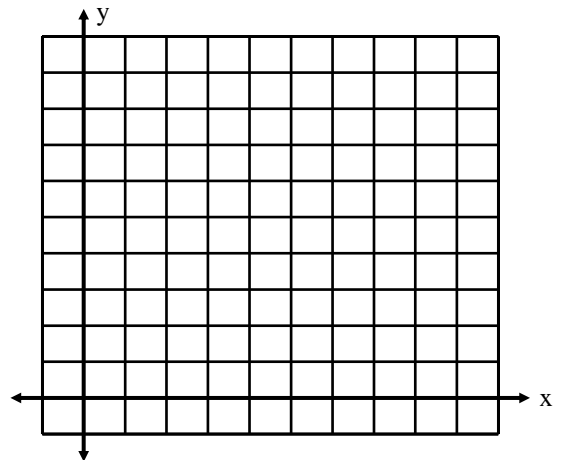
Cars in the train (X)	Total windows

2) This train will have square cars



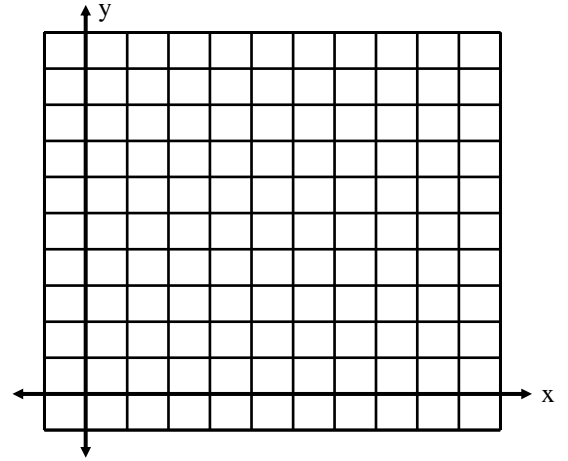
Cars in the train (X)	Total windows

3. This train will have trapezoidal cars



Cars in the train (X)	Total windows

4. This train will have hexagonal cars



Cars in the train (X)	Total windows

5. This train will have octagonal cars.

